

Selection and Ordering data	Article No.	Order Code	Selection and Ordering data	Article No.	Order Code
SITRANS LG240	7ML5880-		SITRANS LG240	7ML5880-	
Guided Wave Radar sensor for Hygienic and corrosive continuous level and interface measurement of liquids.			Guided Wave Radar sensor for Hygienic and corrosive continuous level and interface measurement of liquids.		
Click on the Article No. for the online configuration in the PIA Life Cycle Portal.			Clamp 2 1/2" PN 10 (ø77.5 mm) DIN 32676, ISO2852/1.4435 (BN2) ⁴⁾	0 2	
Approvals			Clamp 2 1/2" PN 10 (ø77.5 mm) DIN 32676, ISO2852/PTFE-TFM 1600	0 3	
Ordinary location CE ⁹⁾	0 A		Clamp 3" PN 10 (ø91 mm) DIN 32676, ISO2852/1.4435 (BN2) ⁴⁾	0 4	
Overfill protection (WHG; VLAREM) ²⁸⁾	0 C		Clamp 3" PN 10 (ø91 mm) DIN 32676, ISO2852/PTFE-TFM 1600	0 5	
ATEX II 1G, 1/2G, 2G Ex ia IIC T6 ⁹⁾	0 E		Clamp 4" PN 6 (ø119 mm) DIN 32676, ISO2852/1.4435(BN2) ⁴⁾	0 6	
ATEX II 1G, 1/2G, 2G Ex ia IIC + Overfill (WHG;VLAREM) ⁹⁾²⁸⁾	0 F		Clamp 4" PN 6 (ø119 mm) DIN 32676, ISO2852/PTFE-TFM 1600	0 7	
ATEX II 1G,1/2G 2G Ex ia IIC + ATEX II 1D, 1/2D,2D IP6x ¹³⁾¹⁵⁾²⁴⁾²⁶⁾²⁷⁾	0 H		Bolting DN 32, PN 40 DIN 11851/1.4435(BN2) ⁴⁾	0 8	
ATEX II 1/2G, 2G Ex d ia IIC T6 ¹⁾¹²⁾²⁷⁾	0 J		Bolting DN 32, PN 40 DIN 11851/PTFE-TFM 1600	1 0	
ATEX II 1/2G, 2G Ex d ia IIC + ATEX II 1/2D, 2D IP6x ¹⁾¹²⁾¹³⁾¹⁵⁾²⁴⁾²⁷⁾	0 K		Bolting DN 40, PN 40 DIN 11851/1.4435 (BN2) ⁴⁾	1 1	
ATEX II 1D, 1/2D, 2D IP6x T ¹³⁾¹⁵⁾²⁴⁾²⁶⁾²⁷⁾	0 N		Bolting DN 40, PN 40 DIN 11851/PTFE-TFM 1600	1 2	
IEC Ex ia IIC T6 ⁹⁾	0 P		Bolting DN 50, PN 25 DIN 11851/1.4435(BN2) ⁴⁾	1 3	
IEC Ex ia IIC T6 + IEC IP6x T tD ¹³⁾¹⁵⁾²⁴⁾²⁶⁾²⁷⁾	0 Q		Bolting DN 50, PN 25 DIN 11851/PTFE-TFM 1600	1 4	
IEC Ex d ia IIC T6 ¹⁾¹²⁾²⁷⁾	0 R		Bolting DN 65, PN 25 DIN 11851/PTFE-TFM 1600	1 5	
IEC Ex d ia IIC T6 + IEC IP6x T tD ¹⁾¹²⁾¹³⁾¹⁵⁾²⁴⁾²⁷⁾	0 S		Flange DN 25, PN 40 Form C, DIN 2501/PTFE-TFM 1600	2 0	
FM (NI) Class I, Div. 2, Groups A, B, C, D	1 A		Flange DN 40, PN 40 Form C, DIN 2501/PTFE-TFM 1600	2 1	
FM (IS) Class I, II, III, Div. 1, Groups A, B, C, D, E, F, G	1 B		Flange DN 50, PN 40 Form C, DIN 2501/PTFE-TFM 1600	2 2	
FM (XP-IS) Class I, II, III, Div. 1, Groups A, B, C, D, E, F, G ¹⁾¹²⁾	1 C		Flange DN 50, PN 40 Form V13, DIN 2513/PTFE-TFM 1600	2 3	
CSA (NI) Class I, Div. 2, Groups A, B, C, D; (DIP) Class II, III, Div. 1 Groups E, F, G ¹³⁾¹⁵⁾²⁶⁾²⁷⁾	1 E		Flange DN 65, PN 40 Form C, DIN 2513/PTFE-TFM 1600	2 4	
CSA (IS) Class I, II, III, Div. 1, Groups A, B, C, D, E, F, G	1 F		Flange DN 80, PN 40 Form C, DIN 2501/PTFE-TFM 1600	2 5	
CSA (XP-IS) Class I, II, III, Div. 1, Groups A, B, C, D, E, F, G ¹⁾¹²⁾	1 G		Flange DN 100, PN 16 Form C, DIN 2501/PTFE-TFM 1600	2 6	
NEPSI Ex ia IIC T6	2 A		Flange DN 80, PN 40 EN 1092-1 Form B1/PTFE-TFM 1600	2 7	
NEPSI Ex ia IIC T6 + DIP A20/21 TA T*	2 B		Flange DN 100, PN 40 EN 1092-1 Form B1/PTFE-TFM 1600	2 8	
NERSI Ex d ia IIC T6	2 C		Flange 2" 150 lb RF, ANSI B16.5/PTFE-TFM 1600	3 0	
NEPSI Ex d ia IIC T6 + DIP A20/21 TA T*	2 D		Flange 2" 300 lb RF, ANSI B16.5/PTFE-TFM 1600	3 1	
NEPSI Ex d IIC T6	2 E		Flange 3" 150 lb RF, ANSI B16.5/PTFE-TFM 1600	3 2	
NEPSI Ex d IIC T6 + DIP A20/21 TA T*	2 F		Flange 4" 150 lb RF, ANSI B16.5/PTFE-TFM 1600	3 3	
NEPSI DIP A20/21 TA T*	2 G		Note: The pressure limit for all PTFE coated versions is 16 bar (per manual).		
INMETRO Ex ia IIC T6 ... T1	3 A		Electronics		
INMETRO Ex t IIIC T* IP6X, Da, Da/Db, Da/Dc, Db + Ex ia IIC T6, Ga, Ga/Gb	3 B		Two-wire 4 ... 20mA/HART	0	
INMETRO Ex d ia IIC T6 ... T1	3 C		Four-wire Modbus ¹⁹⁾²⁰⁾²¹⁾²²⁾	1	
INMETRO Ex t IIIC T* IP6X, Da, Da/Db, Da/Dc, Db + Ex d ia IIC T6 Ga/Gb	3 D		Two-wire 4 ... 20mA/HART with SIL qualification ¹⁷⁾¹⁸⁾	2	
INMETRO Ex d IIC T6 ... T1	3 E		Four-wire 4 ... 20mA/HART; 90...253V AC; 50/60 Hz ¹⁸⁾¹⁰⁾	3	
INMETRO Ex t IIIC T* IP6X, Da, Da/Db, Da/Dc, Db + Ex d IIC T6 Ga/Gb	3 F		Four-wire 4 ... 20mA/HART; 9.6...48V DC; 20 ... 42 V AC ¹⁸⁾¹⁰⁾	4	
INMETRO Ex t IIIC T* IP6X, Da, Da/Db, Da/Dc, Db	3 G		PROFIBUS PA ²⁵⁾	5	
Probe version/Material					
Probe cable ø4 mm (0.16 inch) with gravity weight/PFA ²⁾⁷⁾	A				
Probe exchangeable rod (ø8 mm) / 1.4435 (BN2), can be autoclaved (Ra < 0.76 µm) ³⁾⁷⁾	B				
Probe exchangeable rod (ø8 mm) / 1.4435 (BN2), (Ra < 0.76 µm) ³⁾⁷⁾	C				
Probe rod ø10 mm (0.39 inch)/PFA ²⁾⁷⁾	D				
Probe exchangeable rod (ø8 mm) /1.4435 (BN2), electropolished (Ra < 0.38 µm) ⁷⁾	E				
Process fitting/Material					
Clamp 2" PN 16 (ø64 mm) DIN 32676, ISO2852/1.4435 (BN2) ⁴⁾	0 0				
Clamp 2" PN 16 (ø64 mm) DIN 32676, ISO2852/PTFE-TFM 1600	0 1				

Selection and Ordering data	Article No.	Order Code	Selection and Ordering data	Article No.	Order Code
SITRANS LG240	7ML5880-		SITRANS LG240	7ML5880-	
Guided Wave Radar sensor for Hygienic and corrosive continuous level and interface measurement of liquids.			Guided Wave Radar sensor for Hygienic and corrosive continuous level and interface measurement of liquids.		
Seal/Process temperature			<u>Rod ø10 mm (0.24 inch)/PFA</u> <u>(300 ... 4 000 mm)</u>		
Without glass seal/-40 ... +150 °C (-40 ... +302 °F) ⁵⁾¹¹⁾	A		300 mm (11.81 inch) ¹⁴⁾	9	R1 A
FFKM (Kalrez 6221)/-20 ... 150 °C (-4 ... +302 °F)	B		500 mm (19.69 inch) ¹⁴⁾	9	R1 B
EPDM (Freudenberg 70 EPDM 291)/ -20... 130 °C (-4 ... +266 °F)	C		300 ... 1 000 mm (11.81 ... 39.37 inch) ¹⁴⁾	9	R1 C
Housing/Protection/Cable			1 001 ... 5 000 mm (39.41 ... 78.74 inch) ¹⁴⁾	9	R1 D
Plastic IP66/IP67 M20 x 1.5/blind stopper	A		2 001 ... 3 000 mm (78.78 ... 118.11 inch) ¹⁴⁾	9	R1 E
Plastic IP66/IP67 1/2" NPT/blind stopper	B		3 001 ... 4 000 mm (118.15 ... 157.48 inch) ¹⁴⁾	9	R1 F
Aluminum/IP66/IP68 (0.2 bar) M20 x 1.5/ blind stopper	C		<u>Cable ø4 mm (0.16 inch)/PFA</u> <u>(500 ... 32 000 mm)</u>		
Aluminum/IP66/IP68 (0.2 bar) 1/2" NPT/blind stopper	D		500 mm (9.69 inch)	9	R1 G
Aluminum double chamber/IP66/IP68 (0.2 bar) M20 x 1.5/blind stopper	E		501 ... 1 000 mm (19.72 ... 39.37 inch)	9	R1 H
Aluminum double chamber/IP66/IP68 (0.2 bar) 1/2" NPT/blind stopper	F		1 001 ... 2 000 mm (39.37 ... 196.85 inch)	9	R1 J
Stainless steel (precision casting) 316L/IP66/ IP68 (0.2 bar) M20 x 1.5/blind stopper	G		2 001 ... 4 000 mm (196.89 ... 393.70 inch)	9	R1 K
Stainless steel (precision casting) 316L/IP66/ IP68 (0.2 bar) 1/2" NPT/blind stopper	H		4 001 ... 5 000 mm (393.74 ... 590.55 inch)	9	R1 L
Stainless steel (electropolished) 316L/IP66/ IP68 (0.2 bar) M20 x 1.5/blind stopper	J		5 001 ... 10 000 mm (590.59 ... 787.40 inch)	9	R1 M
Stainless steel (electropolished) 316L/IP66/ IP68 (0.2 bar) 1/2" NPT/blind stopper	K		10 001 ... 15 000 mm (787.44 ... 984.25 inch)	9	R1 N
Stainless steel double chamber/IP66/IP68 (0.2 bar) M20 x 1.5/blind stopper	L		15 001 ... 20 000 mm (984.29 ... 1 181.10 inch)	9	R1 P
Stainless steel double chamber/IP66/IP68 (0.2 bar) 1/2" NPT/blind stopper	M		20 001 ... 25 000 mm (1 181.14 ... 1 377.95 inch)	9	R1 Q
Aluminum/IP66/IP68 (0.2 bar) M20 x 1.5/ cable gland stainless steel	N		25 001 ... 32 000 mm (1 377.99 ... 1 574.80 inch)	9	R1 R
Aluminum double chamber/IP66/IP68 (0.2 bar) M20 x 1.5/cable gland stainless steel	P		<u>Exchange rod ø8 mm (0.31 inch)/1.4435</u> <u>(BN2), electropolished (Ra < 0.38 µm)</u>		
Stainless steel (precision casting) 316L/IP66/ IP68 (0.2 bar) M20 x 1.5/cable gland stain- less steel	Q		300 ... 1 000 mm (11.81 ... 39.37 inch) ¹⁴⁾	9	R2 A
Stainless steel (electropolished) 316L/IP66/ IP68 (0.2 bar) M20 x 1.5/cable gland stain- less steel	R		1 001 ... 2 000 mm (39.41 ... 78.74 inch) ¹⁴⁾	9	R2 B
Aluminum single chamber / IP66/IP68 (0.2 bar) M20 x 1.5/cable gland brass nickel- plated	W		2 001 ... 3 000 mm (78.78 ... 118.11 inch) ¹⁴⁾	9	R2 C
Aluminum double chamber / IP66/IP68 (0.2 bar) M20 x 1.5/cable gland brass nickel- plated	X		3 001 ... 4 000 mm (118.15 ... 157.48 inch) ¹⁴⁾	9	R2 D
Stainless steel single chamber (precision casting) / IP66/IP68 (0.2 bar) M20 x 1.5/ cable gland brass nickel-plated	Y				
Stainless steel double chamber / IP66/IP68 (0.2 bar) M20 x 1.5/cable gland brass nickel- plated	S				
Lengths					
<u>Rod ø8 mm (0.31 inch)/1.4435 (Basle stan- dard 300 ... 4 000 mm)</u>					
300 ... 1 000 mm (11.81 ... 39.37 inch) ¹⁴⁾	0				
1 001 ... 2 000 mm (39.41 ... 78.74 inch) ¹⁴⁾	1				
2 001 ... 3 000 mm (78.78 ... 118.11 inch) ¹⁴⁾	2				
3 001 ... 4 000 mm (118.15 ... 157.48 inch) ¹⁴⁾	3				

Selection and Ordering data		Order code	Selection and Ordering data		Article No.
Further designs (mandatory)			Additional Operating Instructions		
Please add "-Z" to Article No. and specify Order code(s).			German		
Supplementary electronics			4 ... 20 mA/HART - two-wire, PFA insulated		PBD:51041000
Without		A00	4 ... 20 mA/HART - two-wire, Polished version		PBD:51041001
Additional current output 4 ... 20 mA ¹⁾²³⁾		A01	4 ... 20 mA/HART - four-wire, PFA insulated		PBD:51041002
Local display interface			4 ... 20 mA/HART - four-wire, Polished version		PBD:51041003
Without		E00	Modbus, PFA insulated		PBD:51041004
Mounted		E01	Modbus protocol, Polished version		PBD:51041005
Laterally mounted ¹⁾		E02	PROFIBUS PA, PFA insulated		PBD:51041006
Language of display			PROFIBUS PA, polished version		PBD:51041007
German		L00	Note: Operating instructions should be ordered as a separate line on the order.		
English		L01	This device is shipped with the Siemens Milltronics manual DVD containing the operating instructions library.		
French		L02	English		
Dutch		L03	4 ... 20 mA/HART - two-wire, PFA insulated		PBD:51041037
Italian		L04	4 ... 20 mA/HART - two-wire, Polished version		PBD:51041038
Spanish		L05	4 ... 20 mA/HART - four-wire, PFA insulated		PBD:51041039
Portuguese		L06	4 ... 20 mA/HART - four-wire, Polished version		PBD:51041040
Russian		L07	Modbus, PFA insulated		PBD:51041041
Chinese		L08	Modbus protocol, Polished version		PBD:51041042
Japanese		L09	PROFIBUS PA, PFA insulated		PBD:51041043
Operating instructions			PROFIBUS PA, Polished version		PBD:51041044
German		M00	Note: Operating instructions should be ordered as a separate line on the order.		
English		M01	This device is shipped with the Siemens Milltronics manual DVD containing the operating instructions library.		
French		M02	French		
Spanish		M03	4 ... 20 mA/HART - two-wire, PFA insulated		PBD:51041111
Selection and Ordering data		Order code	4 ... 20 mA/HART - two-wire, Polished version		PBD:51041112
Further designs (optional)			4 ... 20 mA/HART - four-wire, PFA insulated		PBD:51041113
Please add "-Z" to Article No. and specify Order code(s).			4 ... 20 mA/HART - four-wire, Polished version		PBD:51041114
Enter the total insertion length in plain text description		Y01	Modbus, PFA insulated		PBD:51041115
Enter the total length of rigid part (cable version only) range from 100 ... 1 000 mm		Y02	Modbus protocol, Polished version		PBD:51041116
Cleaning included certificate: oil, grease and silicone free		W01	PROFIBUS PA, PFA insulated		PBD:51041117
Identification Label (measurement loop) stainless steel		Y17	PROFIBUS PA, Polished version		PBD:51041118
Identification Label (measurement loop) Foil		Y18	Note: Operating instructions should be ordered as a separate line on the order.		
3.1-Inspection Certificate for material (EN 10204 NACE MR 0175) ¹⁶⁾		D07	This device is shipped with the Siemens Milltronics manual DVD containing the operating instructions library.		
3.1-Inspection Certificate for instrument with test data (EN 10204) ¹⁶⁾		C25	Spanish		
(H) 2.2-Factory certificate for material (EN 10204) ¹⁶⁾		C15	4 ... 20 mA/HART - two-wire, PFA insulated		PBD:51041074
Quality and test plan ¹⁶⁾		C26	4 ... 20 mA/HART - two-wire, Polished version		PBD:51041075
Dye penetration test + 3.1 certificate/instrument ¹⁶⁾		C13	4 ... 20 mA/HART - four-wire, PFA insulated		PBD:51041076
X-ray test + 3.1 certificate/instrument ¹⁶⁾		C14	4 ... 20 mA/HART - four-wire, Polished version		PBD:51041077
Positive material identification test + 3.1 certificate/instrument ¹⁶⁾		C16	Modbus, PFA insulated		PBD:51041078
Roughness test + 3.1 certificate/instrument ¹⁶⁾		C18	Modbus protocol, Polished version		PBD:51041079
Pressure test + 3.1 certificate/instrument ¹⁶⁾		C31	PROFIBUS PA, PFA insulated		PBD:51041080
Helium leak test + 3.1 certificate/instrument ¹⁶⁾		C32	Note: Operating instructions should be ordered as a separate line on the order.		
Ferrite measuring accuracy to DIN 32514-1 + 3.1 certificate/instrument ¹⁶⁾		C60	This device is shipped with the Siemens Milltronics manual DVD containing the operating instructions library.		
Pressure test according to Norsok + 3.1 certificate/instrument ¹⁶⁾		C61			
5 point calibration certificate + 3.1 certificate/instrument ¹⁶⁾		C62			

Selection and Ordering data		Article No.	Selection and Ordering data		Article No.	Order Code			
Accessories			SITRANS LG250		7ML5881-				
SITRANS LG, GWR sensor Display Module		A5E34143449	A guided wave radar sensor for continuous level and interface measurement of liquids.						
SITRANS LG, USB communicator		A5E35192015							
SITRANS RD100, loop powered display - see Chapter 7		7ML5741-...	Click on the Article No. for the online configuration in the PIA Life Cycle Portal.						
SITRANS RD200, universal input display with Modbus conversion - see Chapter 7		7ML5740-...	Approvals						
SITRANS RD300, dual line display with totalizer and linearization curve and Modbus conversion - see Chapter 7		7ML5744-...	Ordinary location CE ¹⁶⁾		0 A				
SITRANS RD500 web, universal remote monitoring solution for instrumentation - see Chapter 7		7ML5750-...	Shipping approval ¹⁹⁾²⁸⁾²⁹⁾		0 B				
For applicable back up point level switch - see point level measurement section			Overfill protection (WHG; VLAREM) ⁴⁶⁾		0 C				
1) Available with Housing/Protection/Cable options E, F, L, M only			ATEX II 1G, 1/2G, 2G Ex ia IIC T6 ¹⁶⁾		0 E				
2) Available only with Process fitting/Material options 01, 03, 05, 07, 10, 12, 14 ... 33 (PTFE-TFM 1600 options)			ATEX II 1G, 1/2G, 2G Ex ia IIC + Overfill (WHG; VLAREM) ⁴⁶⁾		0 F				
3) Available only with Process Fitting/Material options 00, 02, 04, 06, 08, 11, and 13 [1.4435 (BN2) options]			ATEX II 1G, 1/2G, 2G Ex ia IIC T6 + shipping approval ¹⁹⁾²⁸⁾²⁹⁾		0 G				
4) Available with Length options 0, 1, 2, 3 only (Rod ø8 mm 1.4435 options)			ATEX II 1G, 1/2G, 2G Ex ia IIC + ATEX II 1D, 1/2D, 2D IP6x ²³⁾⁴⁰⁾⁴⁴⁾⁴⁵⁾		0 H				
5) Available with Length options R1A ... R1R only (Rod ø10 mm/PFA and Cable ø4 mm/PFA options)			ATEX II 1/2G, 2G Ex d ia IIC T6 ¹⁾²¹⁾²³⁾⁴⁵⁾		0 J				
7) Available only with the same rod or cable diameter in Length options			ATEX II 1/2G, 2G Ex d ia IIC + ATEX II 1/2D, 2D IP6x ¹⁾²¹⁾²³⁾⁴⁰⁾⁴⁵⁾		0 K				
8) Available with Supplementary electronic option A00 and Local display interface options E00, E01			ATEX II 1/2G, 2G Ex d IIC T6 ¹⁴⁾²⁰⁾		0 L				
9) Available with Supplementary electronics A01 approval options 0A, 0E, 0P, 1E, and 1F			ATEX II 1/2G, 2G Ex d IIC + ATEX II 1/2D, 2D IP6x ¹⁴⁾²⁰⁾²³⁾⁴⁰⁾⁴⁴⁾		0 M				
10) Available with Approval options 0A, 0J, 0K, 0N, 0R, 0S, 1A, 1 C, 1E, 1F, and 1G			ATEX II 1D, 1/2D, 2D IP6x T ²⁰⁾²³⁾⁴⁰⁾⁴⁴⁾⁴⁵⁾		0 N				
12) Available with Local display interface options E00 and E01			IEC Ex ia IIC T6 ¹⁶⁾		0 P				
13) Available with Seal/Process temperature C only			IEC Ex ia IIC T6 + IEC IP6x T tD ²⁰⁾²³⁾⁴⁰⁾⁴⁴⁾⁴⁵⁾		0 Q				
14) Not available with Y02			IEC Ex d ia IIC T6 ¹⁾²¹⁾²³⁾⁴⁰⁾⁴⁵⁾		0 R				
15) Available with Housing/Protection options C, D, E, F, G, H, L, M			IEC Ex d ia IIC T6 + IEC IP6x T tD ¹⁾²⁰⁾²¹⁾⁴⁰⁾⁴⁴⁾⁴⁵⁾		0 S				
16) Listed Certificates are not available with all configurations, please contact factory for more information			IEC Ex d IIC T6 ¹⁴⁾²⁰⁾		0 T				
17) SIL electronic option 2 available with Approval options 0A, 0E, 0H, 0N, 0P, 0Q, 1A, 1B, 1E, and 1F			IEC Ex d IIC T6 + IEC IP6x T tD ¹⁴⁾²⁰⁾²³⁾⁴⁰⁾⁴⁴⁾		0 U				
18) Available with Supplementary electronic option A00, SIL electronics			FM (NI) Class I, Div. 2, Groups A, B, C, D ²⁰⁾		1 A				
19) Only available with Approval options 0A, 0J, 0K, 0R, 0S, 1A, 1C, 1E, and 1G			FM (IS) Class I, II, III, Div. 1, Groups A, B, C, D, E, F		1 B				
20) Available with housings/protection/cable options E, F, L, M, and P			FM (XP-IS) Class I, II, III, Div. 1, Groups A, B, C, D, E, F, G ¹⁾²¹⁾²³⁾		1 C				
21) Available with supplementary electronic option A00			FM (XP) Class I, Div. 1, Groups A, B, C, D ²⁰⁾		1 D				
22) Available with Local display interface options E00, E01			CSA (NI) Class I, Div. 2, Groups A, B, C, D (DIP) Class II, III, Div. 1, Groups E, F, G ¹⁶⁾⁴⁴⁾⁴⁵⁾		1 E				
23) Not available with Local display interface option E02			CSA (IS) Class I, II, III, Div. 1, Groups A, B, C, D, E, F, G ¹⁶⁾		1 F				
24) Available with Housing/protection options D, F, H, M, X, and S			CSA (XP-IS) Class I, II, III, Div. 1, Groups A, B, C, D, E, F, G ¹⁾²¹⁾²³⁾		1 G				
25) Not available with supplementary electronic option A01			CSA (XP) Class I, II, III, Div. 1, Groups A, B, C, D, E, F, G ¹⁴⁾²⁰⁾		1 H				
26) Available with Housing/protection options W and Y			NEPSI Ex ia IIC T6 ⁴⁶⁾		2 A				
27) Available with Housing/protection options X and S			NEPSI Ex ia IIC T6 + DIP A20/21 TA T ^{*43)}		2 B				
28) Available with Electronics options 0, 2, and 5			NEPSI Ex d ia IIC T6 ⁴³⁾⁴⁷⁾		2 C				
			NEPSI Ex d ia IIC T6 + DIP A20/21 TA T ^{*43)47)}		2 D				
			NEPSI Ex d IIC T6 ⁴³⁾		2 E				
			NEPSI Ex d IIC T6 + DIP A20/21 TA T ^{*43)}		2 F				
			NEPSI DIP A20/21 TA T ^{*43)48)}		2 G				
			INMETRO Ex ia IIC T6 ... T1 ⁴⁶⁾		3 A				
			INMETRO Ex t IIIC T* IP6X, Da, Da/Db, Da/Dc, Db + Ex ia IIC T6, Ga, Ga/Gb ⁴³⁾		3 B				
			INMETRO Ex d ia IIC T6 ... T1 ⁴³⁾⁴⁷⁾		3 C				
			INMETRO Ex t IIIC T* IP6X, Da, Da/Db, Da/Dc, Db + Ex d ia IIC T6 Ga/Gb ⁴³⁾⁴⁷⁾		3 D				
			INMETRO Ex d IIC T6 ... T1 ⁴³⁾⁴⁶⁾		3 E				
			INMETRO Ex t IIIC T* IP6X, Da, Da/Db, Da/Dc, Db + Ex d IIC T6 Ga/Gb ⁴³⁾		3 F				
			INMETRO Ex t IIIC T* IP6X, Da, Da/Db, Da/Dc, Db ⁴³⁾⁴⁸⁾		3 G				

Note: Please consult manual for further details.

Selection and Ordering data	Article No.	Order Code	Selection and Ordering data	Article No.	Order Code
SITRANS LG250	7ML5881-		SITRANS LG250	7ML5881-	
A guided wave radar sensor for continuous level and interface measurement of liquids.			A guided wave radar sensor for continuous level and interface measurement of liquids.		
Probe version/Material					
Probe exchangeable cable ø2 mm (0.08 inch) with gravity weight/316L ⁸⁾⁹⁾¹¹⁾²⁶⁾	A		Flange DN 100 PN 40 Form V13, DIN 2513/316L	3 1	
Probe exchangeable cable ø2 mm (0.08 inch) center weight/316L ⁸⁾⁹⁾¹²⁾²⁶⁾	B		Flange DN 150 PN 16 Form C, DIN 2501/316L	3 2	
Probe exchangeable cable ø4 mm (0.16 inch) with gravity weight/316L ⁸⁾⁹⁾¹¹⁾²⁶⁾	C		Flange DN 50 PN 40 EN 1092-1 Form B1/316L	3 3	
Probe exchangeable cable ø4 mm (0.16 inch) with center weight/316L ⁸⁾⁹⁾¹²⁾²⁶⁾	D		Flange DN 80 PN 40 EN 1092-1 Form B1/316L	3 4	
Probe exchangeable rod ø8 mm (0.31 inch)/316L ²⁾⁸⁾¹⁰⁾¹¹⁾²⁶⁾	E		Flange 1" 150 lb RF, ANSI B16.5/316L	3 5	
Probe exchangeable rod ø12 mm (0.47 inch)/316L ³⁾⁸⁾¹⁰⁾¹¹⁾²⁴⁾²⁶⁾	F		Flange 1 1/2" 150 lb RF, ANSI B16.5/316L	3 6	
Probe coax version ø21.3 mm (0.84 inch) with single hole/316L ⁵⁾⁹⁾¹¹⁾²⁶⁾²⁷⁾	G		Flange 2" 150 lb RF, ANSI B16.5/316L	3 7	
Probe coax version ø21.3 mm (0.84 inch) with multiple hole/316L ⁸⁾⁹⁾¹¹⁾²⁶⁾²⁷⁾	H		Flange 2" 300 lb RF, ANSI B16.5/316L	3 8	
Probe coax version ø42.2 mm (1.66 inch) with multiple hole/316L ⁵⁾⁸⁾⁹⁾¹¹⁾²⁴⁾²⁶⁾²⁷⁾	K		Flange 3" 150 lb RF, ANSI B16.5/316L	4 0	
Probe exchangeable cable ø4 mm (0.16 inch) with gravity weight/Hastelloy C22 (2.4602) ⁸⁾	L		Flange 3" 300 lb RF, ANSI B16.5/316L	4 1	
Probe exchangeable cable ø4 mm (0.16 inch) with centre weight/Hastelloy C22 (2.4602) ⁸⁾	M		Flange 4" 150 lb RF, ANSI B16.5/316L	4 2	
Probe exchangeable rod ø8 mm (0.31 inch)/Hastelloy C22 (2.4602) ⁸⁾	N		Flange 4" 300 lb RF, ANSI B16.5/316L	4 3	
Probe exchangeable rod ø12 mm (0.47 inch)/Hastelloy C22 (2.4602) ⁸⁾	P		Flange 6" 150 lb RF, ANSI B16.5/316L	4 4	
Probe coax version ø21.3 mm (0.84 inch) with multiple hole / Hastelloy C22 (2.4602) ⁸⁾	Q		Flange 6" 300 lb RF, ANSI B16.5/316L	4 5	
Probe coax version ø42.2 mm (1.66 inch) with multiple hole/Hastelloy C22 (2.4602) ⁸⁾	R		Thread G 3/4" PN 40, DIN3852-A /Hastelloy C22 (2.4602)	4 6	
Probe exchangeable rod ø8 mm (0.31 inch)/Duplex (1.4462) ⁸⁾	S		Thread G 1" PN 40, DIN 3852-A/Hastelloy C22 (2.4602)	4 7	
Exchangeable rod ø12 mm (0.47 inch)/Alloy 400 (2.4360) ⁸⁾	T		Thread G 1 1/2" PN 40, DIN 3852-A/Hastelloy C22 (2.4602)	4 8	
Process fitting/Material			Thread 1 1/2" NPT PN 40, ASME B1.20.1/ Hastelloy C22 (2.4602)	5 0	
Thread G 3/4" (DIN 3852-A) PN 6/316L	0 0		Flange DN 50 PN 40 Form C, DIN 2501/ 316L with Hastelloy C22 (2.4602) coating	5 1	
Thread 3/4" NPT (ASME B1.20.1) PN 6/316L	0 1		Flange DN 50 PN 40 Form B1, EN 1092-1/ 316L with Hastelloy C22 (2.4602) coating	5 2	
Thread G 3/4" (DIN 3852-A) PN 40/316L	0 2		Flange DN 80 PN 40 Form B1, EN 1092-1/ 316L with Hastelloy C22 (2.4602) coating	5 3	
Thread 3/4" NPT (ASME B1.20.1) PN 40/316L	0 3		Flange DN 100 PN 40 Form B1, EN 1092-1/ 316L with Hastelloy C22 (2.4602) coating	5 4	
Thread G 3/4" (DIN 3852-A) PN 100 / 316L ⁴²⁾	0 4		Flange DN 150 PN 16 Form B1, EN 1092-1/ 316L with Hastelloy C22 (2.4602) coating	5 5	
Thread 3/4" NPT (ASME B1.20.1) PN 100/ 316L ⁴²⁾	0 5		Flange DN 200 PN 16 Form B1, EN 1092-1/ 316L with Hastelloy C22 (2.4602) coating	5 6	
Thread G 1" (DIN 3852-A) PN 40/316L	0 6		Flange 2" 150 lb RF, ASME B16.5/316L with Hastelloy C22 (2.4602) coating	5 7	
Thread 1" NPT (ASME B1.20.1) PN 40/316L	0 7		Flange 2" 300 lb RF, ASME B16.5/316L with Hastelloy C22 (2.4602) coating	5 8	
Thread G 1" (DIN 3852-A) PN 100/316L ⁴²⁾	0 8		Flange 3" 150 lb RF, ASME B16.5/316L with Hastelloy C22 (2.4602) coating	6 0	
Thread 1" NPT (ASME B1.20.1) PN 100/316L ⁴²⁾	1 0		Flange 4" 150 lb RF, ASME B16.5/316L with Hastelloy C22 (2.4602) coating	6 1	
Thread G 1 1/2" (DIN 3852-A) PN 40/316L	1 1		Flange 4" 300 lb RF, ASME B16.5/316L with Hastelloy C22 (2.4602) coating	6 2	
Thread 1 1/2" NPT (ASME B1.20.1) PN 40/316L	1 2		Flange 6" 150 lb RF, ASME B16.5/316L with Hastelloy C22 (2.4602) coating	6 3	
Thread G1 1/2" (DIN 3852-A) PN 100/316L ⁴²⁾	1 3		Flange 6" 300 lb RF, ASME B16.5/316L with Hastelloy C22 (2.4602) coating	6 4	
Thread 1 1/2" NPT (ASME B1.20.1) PN 100/ 316L ⁴²⁾	1 4		Thread G 3/4" (DIN 3852-A) PN 40/Duplex 1.4462	6 5	
Thread 2 NPT PN 40, ASME B1.20.1/316L ³⁷⁾³⁸⁾	1 5		Flange DN 80 PN 40 Form F, DIN 2501/Duplex (1.4462)	6 6	
Flange DN 25 PN 40 Form C, DIN 2501/316L	2 0		Flange DN 50 PN 40 Form B1, EN 1092-1/ Duplex (1.4462)	6 7	
Flange DN 25 PN 40 Form F, DIN 2501/316L	2 1		Flange 1" 150 lb RF, ASME B16.5/Duplex (1.4462)	6 8	
Flange DN 40 PN 40 Form C, DIN 2501/316L	2 2		Flange 1 1/2" 150 lb RF, ASME B16.5/Duplex (1.4462)	7 0	
Flange DN 50 PN 40 Form C, DIN 2501/316L	2 3		Flange 2" 150 lb RF, ASME B16.5/Duplex (1.4462)	7 1	
Flange DN 50 PN 40 form V13, DIN 2513/316L	2 4		Flange 2" 300 lb RF, ASME B16.5/Duplex (1.4462)	7 2	
Flange DN 80 PN 40 Form C, DIN 2501/316L	2 5		Flange 2" 600 lb RF, ASME B16.5/Duplex (1.4462)	7 3	
Flange DN 80 PN 40 Form V13, DIN 2501/316L	2 6		Flange 3" 150 lb RF, ASME B16.5/Duplex (1.4462)	7 4	
Flange DN 100 PN 16 Form C, DIN 2501/316L	2 7		Flange 3" 300 lb RF, ASME B16.5/Duplex (1.4462)	7 5	
Flange DN 100 PN 16 Form C, DIN 2501/ 316L	2 8				
Flange DN 100 PN 40 Form C, DIN 2501 /316L	3 0				

Selection and Ordering data	Article No.	Order Code	Selection and Ordering data	Article No.	Order Code
SITRANS LG250	7ML5881-		SITRANS LG250	7ML5881-	
A guided wave radar sensor for continuous level and interface measurement of liquids.			A guided wave radar sensor for continuous level and interface measurement of liquids.		
Flange 4" 150 lb RF, ANSI B16.5/Duplex (1.4462)	7 6		Electronics		
Flange 4" 150 lb FF, ANSI B16.5/Duplex (1.4462)	7 7		Two-wire 4 ... 20mA/HART	0	
Flange 4" 300 lb RF, ASME B16.5/Duplex (1.4462)	7 8		Four-wire Modbus ³³⁾³⁵⁾³⁶⁾	1	
Flange 4" 600 lb RF, ASME B16.5/Duplex (1.4462)	8 0		Two-wire 4 ... 20mA/HART with SIL qualification ²⁴⁾³²⁾	2	
Thread 1 1/2" NPT PN 40, ASME B1.20.1/ Alloy 400 (2.4360)	8 1		Four-wire 4 ... 20mA/HART; 90 ... 253 V AC; 50/60Hz ¹⁾¹⁵⁾¹⁷⁾	3	
Flange 2" 150 lb RF, ASME B16.5/Alloy 400 (2.4360)	8 2		Four-wire 4 ... 20mA/HART; 9.6 ... 48 V DC; 20 ... 42 V AC ¹⁾¹⁵⁾¹⁷⁾	4	
Flange 2" 300 lb RF, ASME B16.5/Alloy 400 (2.4360) solid	8 3		PROFIBUS PA ⁴³⁾	5	
Flange 3" 150 lb RF, ASME B16.5/Alloy 400 (2.4360)	8 4		Seal/Second line of defense/ Process temperature		
Flange 3" 300 lb RF, ASME B16.5/Alloy 400 (2.4360)	8 5		FKM (SHS FPM 70C3 GLT)/without glass seal/-40 ... +80 °C (-40 ... +176 °F) ⁶⁾	A	
Flange 3" 300 lb RJF, ASME B16.5/Alloy 400 (2.4360)	8 6		FKM (SHS FPM 70C3 GLT)/without glass seal/-40 ... +150 °C (-40 ... +302 °F)	B	
Flange 4" 150 lb RF, ASME B16.5/Alloy 400 (2.4360)	8 7		FKM (SHS FPM 70C3 GLT)/with glass seal/-40 ... +150 °C (-40 ... +302 °F)	C	
Flange 4" 300 lb RF, ASME B16.5/Alloy 400 (2.4360)	8 8		EPDM (A+P 75.5/KW75F)/without glass seal/-40 ... +80 °C (-40 ... +176 °F)	D	
Flange DN 25 PN 40 Form C, DIN 2501/ Hastelloy C22 (2.4602) solid	9 0	L 1 A	EPDM (A+P 75.5/KW75F)/with glass seal/-40 ... +150 °C (-40 ... +302 °F)	E	
Flange DN 25 PN 40 Form B1, EN 1092-1/ Hastelloy C22 (2.4602) solid	9 0	L 1 B	FFKM (Kalrez 6375)/with glass seal/-20 ... +200 °C (-4 ... +392 °F)	F	
Flange DN 80 PN 40 Form B1, EN 1092-1/ Hastelloy C22 (2.4602) solid	9 0	L 1 C	EPDM (A+P 75.5/KW75F)/without glass seal/-40 ... +80 °C (-40 ... +176 °F) ⁶⁾	G	
Flange 1" 150 lb RF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 D	EPDM (A+P 75.5/KW75F)/without glass seal/-40 ... +150 °C (-40 ... +302 °F)	H	
Flange 1 1/2" 150 lb RF, ASME B16.5/ Hastelloy C22 (2.4602) solid	9 0	L 1 E	EPDM (A+P 75.5/KW75F)/with glass seal/-40 ... +150 °C (-40 ... +302 °F)	J	
Flange 1 1/2" 300 lb RF, ASME B16.5/ Hastelloy C22 (2.4602) solid	9 0	L 1 F	Silicone FEP coated (A+P FEP-O-SEAL)/ without glass seal/-40 ... +80 °C (-40 ... +176 °F) ⁶⁾	K	
Flange 2" 150 lb RF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 G	Silicone FEP coated (A+P FEP-O-SEAL)/ without glass seal/-40 ... +150 °C (-40 ... +302 °F)	L	
Flange 2" 300 lb RF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 H	Silicone FEP coated (A+P FEP-O-SEAL)/with glass seal/-40 ... +150 °C (-40 ... +302 °F)	M	
Flange 2" 600 lb RF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 J	With borosilicate glass lead through/ with glass seal/-60 ... +150 °C (-76 ... +302 °F)	N	
Flange 2" 1 500 lb RJF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 K	FFKM (Kalrez 6375)/without glass seal/-20 ... +200 °C (-4 ... +392 °F)	P	
Flange 3" 150 lb RF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 L	FKM (SHS FPM 70C3 GLT)/with glass seal/-40 ... 80 °C (-40 ... +176 °F) ⁶⁾	Q	
Flange 3" 300 lb RF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 M	Housing/Protection/Cable		
Flange 3" 300 lb RF, ASME B16.5/316L with Hastelloy C22 (2.4602) coating	9 0	L 1 N	Plastic IP66/IP67 M20 x 1.5/blind stopper	A	
Flange 4" 150 lb RF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 P	Plastic IP66/IP67 1/2" NPT/blind stopper	B	
Flange 4" 150 lb FF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 Q	Plastic 2-chamber/IP66/IP67/M20 x 1.5/blind stopper	G	
Flange 4" 300 lb RF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 R	Plastic 2-chamber/IP66/IP67 1/2" NPT/blind stopper	H	
Flange 4" 300 lb RJF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 S	Aluminum/IP66/IP68 (0.2 bar) M20 x 1.5/ Blind stopper	C	
Flange 4" 300 lb LT, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 T	Aluminum/IP66/IP68 (0.2 bar) 1/2" NPT/Blind stopper	D	
Flange 4" 600 lb RJF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 U	Aluminum double chamber/IP66/IP68 (0.2 bar) M20 x 1.5 / Blind stopper	E	
Flange 6" 150 lb RF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 V	Aluminum double chamber/IP66/IP68 (0.2 bar) 1/2" NPT/Blind stopper	F	
Flange 2 1/2" 600 lb RF, Masoneilan/Hastelloy C22 (2.4602) solid	9 0	L 1 W	Stainless Steel (precision casting) 316L/ IP66/IP68 (0.2 bar) M20 x 1.5/Blind stopper	L	
			Stainless Steel (precision casting) 316L/ IP66/IP68 (0.2 bar) 1/2" NPT/Blind stopper	M	
			Stainless Steel (electropolished) 316L/IP66/ IP68 (0.2 bar) M20 x 1.5/Blind stopper	N	

Selection and Ordering data	Article No.	Order Code	Selection and Ordering data	Article No.	Order Code
SITRANS LG250	7ML5881-		SITRANS LG250	7ML5881-	
A guided wave radar sensor for continuous level and interface measurement of liquids.			A guided wave radar sensor for continuous level and interface measurement of liquids.		
Stainless Steel (electropolished) 316L/IP66/IP68 (0.2 bar) 1/2" NPT/Blind stopper		P	25 001 ... 30 000 mm (984.29 ... 1 181.10 inch)	9	R 2 L
Stainless Steel double chamber/IP66/IP68 (0.2 bar) M20 x 1.5/Blind stopper		Q	30 001 ... 35 000 mm (1 181.14 ... 1 377.95 inch)	9	R 2 M
Stainless Steel double chamber/IP66/IP68 (0.2 bar) 1/2" NPT/Blind stopper		R	35 001 ... 40 000 mm (1 377.99 ... 1 574.80 inch)	9	R 2 N
Aluminum/IP66/IP68 (0.2 bar) M20 x 1.5/ Cable gland stainless steel		S	40 001 ... 45 000 mm (1 574.84 ... 1 771.65 inch)	9	R 2 P
Aluminum double chamber/IP66/IP68 (0.2 bar) M20 x 1.5/Cable gland stainless steel		T	45 001 ... 50 000 mm (1 771.69 ... 1 968.50 inch)	9	R 2 Q
Stainless Steel (precision casting) 316L/IP66/IP68 (0.2 bar) M20 x 1.5/Cable gland stainless steel		U	50 001 ... 55 000 mm (1 968.54 ... 2 165.35 inch)	9	R 2 R
Stainless Steel (electropolished) 316L/IP66/IP68 (0.2 bar) M20 x 1.5/Cable gland stainless steel		V	55 001 ... 60 000 mm (2 165.39 ... 2 362.20 inch)	9	R 2 S
Stainless steel single chamber (precision casting)/IP66/IP68 (0.2 bar) M20 x 1.5/ Cable gland brass nickel-plated		W	60 001 ... 65 000 mm (2 362.24 ... 2 559.06 inch)	9	R 2 T
Aluminum single chamber/IP66/IP68 (0.2 bar) M20 x 1.5/Cable gland brass nickel-plated		X	65 001 ... 70 000 mm (2 559.09 ... 2 755.91 inch)	9	R 2 U
Stainless steel single chamber (precision casting)/IP66/ IP68 (0.2 bar) M20 x 1.5/ Cable gland brass nickel-plated		Y	70 001 ... 75 000 mm (2 759.94 ... 2 952.76 inch)	9	R 2 V
Stainless steel double chamber / IP66/ IP68 (0.2 bar) M20 x 1.5 / Cable gland brass nickel-plated		J	<u>Cable Lengths ø2 mm or ø4 mm/C22</u>		
			501 ... 1 000 mm (19.72 ... 39.37 inch)	9	R 4 A
			1 001 ... 5 000 mm (39.41 ... 196.85 inch)	9	R 4 B
			5 001 ... 10 000 mm (196.89 ... 393.70 inch)	9	R 4 C
			10 001 ... 15 000 mm (393.74 ... 590.55 inch)	9	R 4 D
			15 001 ... 20 000 mm (590.59 ... 787.40 inch)	9	R 4 E
			20 001 ... 25 000 mm (787.44 ... 984.25 inch)	9	R 4 F
Lengths			25 001 ... 30 000 mm (984.29 ... 1 181.10 inch)	9	R 4 G
<u>Rod ø8 mm/316L</u>		0	30 001 ... 35 000 mm (1 181.14 ... 1 377.95 inch)	9	R 4 H
300 ... 1 000 mm (11.81 ... 39.37 inch) ²²⁾		1	35 001 ... 40 000 mm (1 377.99 ... 1 574.80 inch)	9	R 4 J
1 001 ... 2 000 mm (39.41 ... 78.74 inch) ²²⁾		2	40 001 ... 45 000 mm (1 574.84 ... 1 771.65 inch)	9	R 4 K
2 001 ... 3 000 mm (78.78 ... 118.11 inch) ²²⁾		3	45 001 ... 50 000 mm (1 771.69 ... 1 968.50 inch)	9	R 4 L
3 001 ... 4 000 mm (118.15 ... 157.48 inch) ²²⁾		4	50 001 ... 55 000 mm (1 968.54 ... 2 165.35 inch)	9	R 4 M
4 001 ... 5 000 mm (157.52 ... 196.85 inch) ²²⁾		5	55 001 ... 60 000 mm (2 165.39 ... 2 362.20 inch)	9	R 4 N
5 001 ... 6 000 mm (196.89 ... 236.22 inch) ²²⁾			60 001 ... 65 000 mm (2 362.24 ... 2 559.06 inch)	9	R 4 P
<u>Rod ø8 mm/Duplex</u>		9 R 1 A	65 001 ... 70 000 mm (2 559.09 ... 2 755.91 inch)	9	R 4 Q
300 ... 1 000 mm (11.81 ... 39.37 inch) ²²⁾		9 R 1 B	70 001 ... 75 000 mm (2 755.94 ... 2 952.76 inch)	9	R 4 R
1 001 ... 2 000 mm (39.41 ... 78.74 inch) ²²⁾		9 R 1 C			
2 001 ... 3 000 mm (78.78 ... 118.11 inch) ²²⁾		9 R 1 D			
3 001 ... 4 000 mm (118.15 ... 157.48 inch) ²²⁾		9 R 1 E			
4 001 ... 5 000 mm (157.52 ... 196.85 inch) ²²⁾		9 R 1 F			
5 001 ... 6 000 mm (196.89 ... 236.22 inch) ²²⁾					
<u>Rod ø8 mm or ø12 mm / C22</u>		9 R 1 J			
300 ... 1 000 mm (11.81 ... 39.37 inch) ²²⁾		9 R 1 K			
1 001 ... 2 000 mm (39.41 ... 78.74 inch) ²²⁾		9 R 1 L			
2 001 ... 3 000 mm (78.78 ... 118.11 inch) ²²⁾		9 R 1 M			
3 001 ... 4 000 mm (118.15 ... 157.48 inch) ²²⁾		9 R 1 N			
4 001 ... 5 000 mm (157.52 ... 196.85 inch) ²²⁾		9 R 1 P			
5 001 ... 6 000 mm (196.89 ... 236.22 inch) ²²⁾					
<u>Rod ø12 mm/316L</u>		9 R 2 A			
300 ... 1 000 mm (11.81 ... 39.37 inch) ²²⁾		9 R 2 B			
1 001 ... 2 000 mm (39.41 ... 196.85 inch) ²²⁾		9 R 2 C			
2 001 ... 3 000 mm (78.78 ... 118.11 inch) ²²⁾		9 R 2 D			
3 001 ... 4 000 mm (118.15 ... 157.48 inch) ²²⁾					
<u>Cable lengths ø2 or 4 mm/316L</u>		9 R 2 E			
501 ... 1 000 mm (19.72 ... 39.37 inch)		9 R 2 F			
1 000 ... 5 000 mm (39.37 ... 196.85 inch)		9 R 2 G			
5 001 ... 10 000 mm (196.89 ... 393.70 inch)		9 R 2 H			
10 001 ... 15 000 mm (393.74 ... 590.55 inch)		9 R 2 J			
15 001 ... 20 000 mm (590.59 ... 787.40 inch)		9 R 2 K			
20 001 ... 25 000 mm (787.44 ... 984.25 inch)					

Selection and Ordering data		Article No.	Order Code	Selection and Ordering data		Order code
SITRANS LG250		7ML5881-		Further designs (mandatory)		
A guided wave radar sensor for continuous level and interface measurement of liquids.				Please add "-Z" to Article No. and specify Order code(s).		
<u>Coax ø21.3 mm/316L</u>				Local display interface		
300 ... 1 000 mm (11.81 ... 39.37 inch) ²²⁾			9 R 3 A	Without ¹³⁾		E00
1 001 ... 2 000 mm (39.41 ... 78.74 inch) ²²⁾			9 R 3 B	Mounted		E01
2 001 ... 3 000 mm (78.78 ... 118.11 inch) ²²⁾			9 R 3 C	Laterally mounted ¹⁾		E02
3 001 ... 4 000 mm (118.15 ... 157.48 inch) ²²⁾			9 R 3 D	Language of display		
4 001 ... 5 000 mm (157.52 ... 196.85 inch) ²²⁾			9 R 3 E		German	L00
5 001 ... 6 000 mm (196.89 ... 236.22 inch) ²²⁾			9 R 3 F		English	L01
					French	L02
					Dutch	L03
<u>Coax ø21.3 mm/C22</u>					Italian	L04
300 ... 1 000 mm (11.81 ... 39.37 inch) ²²⁾			9 R 5 A		Spanish	L05
1 001 ... 2 000 mm (39.41 ... 78.74 inch) ²²⁾			9 R 5 B		Portuguese	L06
2 001 ... 3 000 mm (78.78 ... 118.11 inch) ²²⁾			9 R 5 C		Russian	L07
3 001 ... 4 000 mm (118.15 ... 157.48 inch) ²²⁾			9 R 5 D		Chinese	L08
4 001 ... 5 000 mm (157.52 ... 196.85 inch) ²²⁾			9 R 5 E		Japanese	L09
5 001 ... 6 000 mm (196.89 ... 236.22 inch) ²²⁾			9 R 5 F	Operating instructions		
<u>Coax ø42.2 mm/316L</u>				German		M00
300 ... 1 000 mm (11.81 ... 39.37 inch) ²²⁾			9 R 3 G	English		M01
1 001 ... 2 000 mm (39.41 ... 78.74 inch) ²²⁾			9 R 3 H	French		M02
2 001 ... 3 000 mm (78.78 ... 118.11 inch) ²²⁾			9 R 3 J	Spanish		M03
3 001 ... 4 000 mm (118.15 ... 157.48 inch) ²²⁾			9 R 3 K			
4 001 ... 5 000 mm (157.52 ... 196.85 inch) ²²⁾			9 R 3 L			
5 001 ... 6 000 mm (196.89 ... 236.22 inch) ²²⁾			9 R 3 M			
<u>Coax ø42.2 mm/C22</u>						
300 ... 1 000 mm (11.81 ... 39.37 inch) ²²⁾			9 R 5 G			
1 001 ... 2 000 mm (39.41 ... 78.74 inch) ²²⁾			9 R 5 H			
2 001 ... 3 000 mm (78.78 ... 118.11 inch) ²²⁾			9 R 5 J			
3 001 ... 4 000 mm (118.15 ... 157.48 inch) ²²⁾			9 R 5 K			
4 001 ... 5 000 mm (157.52 ... 196.85 inch) ²²⁾			9 R 5 L			
5 001 ... 6 000 mm (196.89 ... 236.22 inch) ²²⁾			9 R 5 M			
Selection and Ordering data		Order code		Selection and Ordering data		Order code
Further designs (mandatory)				Further designs (optional)		
Please add "-Z" to Article No. and specify Order code(s).				Please add "-Z" to Article No. and specify Order code(s).		
Supplementary electronics				Enter the total insertion length in plain text description		Y01
Without ¹³⁾	A00			Enter the total length of rigid part (cable version only) range from 100 ... 1 000 mm		Y02
Additional current output 4 ... 20 mA ¹⁾³⁹⁾	A01			Cleaning included certificate: oil, grease and sili-cone free		W01
Dimensions centering weight (diameter/height)				Identification Label (measurement loop) stainless steel		Y17
Without	B00			Identification Label (measurement loop) Foil		Y18
ø40/30 mm	B01			3.1-Inspection Certificate for material (EN 10204 NACE MR 0175) ³⁰⁾		D07
ø45/30 mm (for 2 inch tubes)	B02			3.1-Inspection Certificate for instrument with test data (EN 10204) ³⁰⁾		C25
ø75/30 mm (for 3 inch tubes)	B03			(H) 2.2-Factory certificate for material (EN 10204) ³⁰⁾		C15
ø95/30 mm (for 4 inch tubes)	B04			Quality and test plan ³⁰⁾		C26
ø1.57/1.18 inch (for 2 inch Schedule 160)	B05			Dye penetration test + 3.1 certificate/instrument ³⁰⁾		C13
ø40 mm/30 mm				X-ray test + 3.1 certificate/instrument ³⁰⁾		C14
ø1.77/1.18 inch (for 2 inch Schedule 40/80)	B06			Positive material identification test + 3.1 certificate/instrument ³⁰⁾		C16
ø45 mm/30 mm (for 2 inch tubes)				Roughness test + 3.1 certificate/instrument ³⁰⁾		C18
ø2.95/1.18 inch (for 3 inch Schedule 10/40)	B07			Pressure test + 3.1 certificate/instrument ³⁰⁾		C31
ø75 mm/30 mm (for 3 inch tubes)				Helium leak test + 3.1 certificate/instrument ³⁰⁾		C32
ø3.74/1.18 inch (for 4 inch Schedule 80)	B08			Ferrite measuring accuracy to DIN 32514-1 + 3.1 certificate/instrument ³⁰⁾		C60
ø95 mm/30 mm (for 4 inch tubes)				Pressure test according to Norsok + 3.1 certificate/instrument ³⁰⁾		C61
Rod mounted				5 point calibration certificate + 3.1 certificate/instrument ³⁰⁾⁴¹⁾		C62
Without Rod, applicable for coax or cable probe types only	C00					
Mounted	C01					
Not mounted	C02					

Additional Operating Instructions

German

4 ... 20 mA/HART - two-wire	PBD:51041010
4 ... 20 mA/HART - two-wire, Coax probe	PBD:51041011
4 ... 20 mA/HART - four-wire	PBD:51041012
4 ... 20 mA/HART - four-wire, Coax probe	PBD:51041013
Modbus	PBD:51041014
Modbus- Coax probe	PBD:51041015
PROFIBUS PA	PBD:51041016
PROFIBUS PA - Coax probe	PBD:51041017

Note: Operating instructions should be ordered as a separate line on the order.

This device is shipped with the Siemens Milltronics manual DVD containing the operating instructions library.

English

4 ... 20 mA/HART - two-wire	PBD:51041047
4 ... 20 mA/HART - two-wire, Coax probe	PBD:51041048
4 ... 20 mA/HART - four-wire	PBD:51041049
4 ... 20 mA/HART - four-wire, Coax probe	PBD:51041050
Modbus	PBD:51041051
Modbus - Coax probe	PBD:51041052
PROFIBUS PA	PBD:51041053
PROFIBUS PA - Coax probe	PBD:51041054

Note: Operating instructions should be ordered as a separate line on the order.

This device is shipped with the Siemens Milltronics manual DVD containing the operating instructions library.

French

4 ... 20 mA/HART - two-wire	PBD:51041121
4 ... 20 mA/HART - two-wire, Coax probe	PBD:51041122
4 ... 20 mA/HART - four-wire	PBD:51041123
4 ... 20 mA/HART - four-wire, Coax probe	PBD:51041124
Modbus	PBD:51041125
Modbus- Coax probe	PBD:51041126
PROFIBUS PA	PBD:51041127
PROFIBUS PA - Coax probe	PBD:51041128

Note: Operating instructions should be ordered as a separate line on the order.

This device is shipped with the Siemens Milltronics manual DVD containing the operating instructions library.

Spanish

4 ... 20 mA/HART - two-wire	PBD:51041084
4 ... 20 mA/HART - two-wire, Coax probe	PBD:51041085
4 ... 20 mA/HART - four-wire	PBD:51041086
4 ... 20 mA/HART - four-wire, Coax probe	PBD:51041087
Modbus	PBD:51041088
Modbus- Coax probe	PBD:51041089
PROFIBUS PA	PBD:51041090
PROFIBUS PA - Coax probe	PBD:51041091

Note: Operating instructions should be ordered as a separate line on the order.

This device is shipped with the Siemens Milltronics manual DVD containing the operating instructions library.

Selection and Ordering data	Article No.
<i>Accessories</i>	
SITRANS LG, GWR sensor Display Module	A5E34143449
SITRANS LG, USB communicator	A5E35192015
SITRANS RD100, loop powered display - see Chapter 7	7ML5741-...
SITRANS RD200, universal input display with Modbus conversion - see Chapter 7	7ML5740-...
SITRANS RD300, dual line display with totalizer and linearization curve and Modbus conversion - see Chapter 7	7ML5744-...
SITRANS RD500 web, universal remote monitoring solution for instrumentation - see Chapter 7	7ML5750-...
For applicable back up point level switch - see point level measurement section	

- 1) Available with Housing/Protection cable options E, F, G, H, Q, R, and T (double chamber only)
- 2) Not available with Process fitting/Material options 04, 05, 08, 10, 13, and 14
- 3) Available only with Process Fitting/Material options 00 ... 10, 11, 12, 23 ... 34, and 37 ... 45 (Not available with threaded connections less than 1.5 inch and flanges < DN 50/2 inch)
- 4) Available with Seal option N only
- 5) Not available with Process fitting/Material options 00 ... 10, 11, 12, 23 ... 34 and 37 ... 45. (Not available with threaded connections less than 1.5 inch and flanges < DN 50/2 inch)
- 6) Available only with Process fitting/Material options 00 and 01 (options with max temp of 80 °C (176 °F) only available with PN 6 rated threaded connections)
- 7) Available with Version/Material option J only
- 8) Available only with the same diameter probe lengths
- 9) Available with Rod mounted option C00 only (Coax and cable version only)
- 10) Available with Rod mounted options C01, C02 only (rod versions only)
- 11) Available only with Centering weight option B00 (no centering weight option)
- 12) Available with Centering weight options B01 ... B08 only
- 13) Available only with Housing/Protection cable options E, F, G, H, Q, R, T (double chamber options only)
- 14) Available only with Housing/Protection cable options C, D, L, M
- 15) Available with Supplementary electronic option A00 and Local display interface options E00, E01
- 16) Available with Supplementary electronic option A01 and Approval options 0A, 0E, 0P, 1E, and 1F
- 17) Not Available with Approval options 0B ... 0H 0P, 0Q, and 1B (not available with Intrinsically Safe and shipping approvals)
- 19) Not available with Length options 3, 4, 5, R2C, and R2D
- 20) Available only with Seal options C, E, F, J, M, N and Q [second line of defense (with glass seal) for all explosion proof options]
- 21) Available with Local display interface options E00 and E01
- 22) Not available with Y02
- 23) Available with Housing/Protection options C, D, E, F, L, M, Q, R (dust approvals)
- 24) SIL electronics option 2 available with Approval options 0A, 0E, 0G, 0H, 0L, 0M, 0N, 0P, 0U, 0Q 0T, 1A, 1B, 1D, 1E, 1F, and 1H
- 25) Available with Process Fitting/Material options 04, 05, 08, 10, 13 ... 45
- 26) Not available with Process fitting /Material options 04, 05, 08, 10, 13, and 14
- 27) Not available with Process Fitting/Material options 00 and 01
- 28) Available with Housing/Protection/Cable options A, B, C, D, E, F, L, M, R, S, T, and U
- 29) Available with Electronic option 0 only
- 30) Listed Certificates are not available with all configurations, please contact factory for more information
- 31) Not available with Process fitting/Material options 02, 03, 06, 07, 11, and 12 or threaded options below PN 100
- 32) Available with supplementary electronic option A00, SIL electronics
- 33) Available with Approvals options 0A,0J,0K,0R,0S,1A,1C,1E, and 1G
- 35) Available with supplementary electronic option A00
- 36) Available with Local display interface options E00, E01
- 37) Not available with version/material option K
- 38) Not available with Seal/Process temperature options A, G, K, and Q
- 39) Not available with Local display interface option E02
- 40) Available with Housing/protection options D, F, M, R (dust approvals)
- 41) Available with Version/Material A, B, C, D, E, and F
- 42) Only available with Seal/Process temperature N
- 43) Not available with Supplementary electronic option A01

- 44) Available with Housing/protection options W and Y
- 45) Available with Housing/protection options J and X
- 46) Available with Electronics options 0, 2, and 5
- 47) Available with Electronics options 0, 1, 3, 4
- 48) Available with Electronics options 0, 1, 2, 3, 4

Note: Please consult manual for further details.

Selection and Ordering data		Article No.	Order Code	Selection and Ordering data		Article No.	Order Code
SITRANS LG260		7ML5882-		SITRANS LG260		7ML5882-	
A guided wave radar sensor for level measurement of solids.				A guided wave radar sensor for level measurement of solids.			
Click on the Article No. for the online configuration in the PIA Life Cycle Portal.				INMETRO Ex d ia IIC T6 ... T1		3 C	
Approvals				INMETRO Ex t IIIC T* IP6X, Da, Da/Db, Da/Dc, Db + Ex d ia IIC T6 Ga/Gb		3 D	
Ordinary location CE ⁴⁾¹²⁾²¹⁾²²⁾		0 A		INMETRO Ex d IIC T6 ... T1 ²⁷⁾		3 E	
Shipping approval ⁹⁾¹⁰⁾²¹⁾		0 B		INMETRO Ex t IIIC T* IP6X, Da, Da/Db, Da/Dc, Db + Ex d IIC T6 Ga/Gb ²⁷⁾		3 F	
Overfill protection (WHG; VLAREM) ²⁶⁾		0 C		INMETRO Ex t IIIC T* IP6X, Da, Da/Db, Da/Dc, Db		3 G	
ATEX II 1G, 1/2G, 2G Ex ia IIC T6 ⁴⁾¹²⁾²¹⁾²²⁾		0 E		Probe version/Material			
ATEX II 1G, 1/2G, 2G Ex ia IIC + Overfill (WHG; VLAREM) ⁴⁾¹²⁾²¹⁾²²⁾²⁶⁾		0 F		Probe exchangeable cable ø4 mm (0.16 inch) with gravity weight/316 ²⁸⁾		A	
ATEX II 1G, 1/2G, 2G Ex ia IIC T6 + shipping approval ⁹⁾²¹⁾		0 G		Probe exchangeable cable ø6 mm (0.24 inch) with gravity weight/316 ²⁾²⁸⁾		B	
ATEX II 1G, 1/2G, 2G Ex ia IIC + II 1D, 1/2D, 1/3D, 2D IP66 ⁸⁾¹⁰⁾¹²⁾²¹⁾²³⁾²⁴⁾		0 H		Probe exchangeable cable ø6 mm (0.24 inch) with gravity weight/PA coated		C	
ATEX II 1/2G, 2G Ex d ia IIC T6 ¹⁾⁷⁾¹²⁾		0 J		Probe exchangeable cable ø11 mm (0.43 inch) with gravity weight/PA coated		D	
ATEX II 1/2G, 2G Ex d ia IIC + shipping approval ¹⁾⁷⁾⁹⁾¹⁰⁾		0 L		Probe exchangeable rod ø 16 mm (0.63 inch)/316L ²⁾⁶⁾²⁸⁾		E	
ATEX II 1/2G, 2G Ex d ia IIC + II 1D, 1/2D, 1/3D, 2D IP66 ⁷⁾⁸⁾¹²⁾²⁴⁾		0 M		Process fitting/Material			
ATEX II 1/2G, 2G Ex d IIC T6 ⁸⁾¹¹⁾¹²⁾²¹⁾²⁵⁾²⁷⁾		0 N		Thread G 3/4" (DIN 3852-A) PN 40/316L		0 0	
ATEX II 1/2G, 2G Ex d IIC + shipping approval ⁸⁾⁹⁾¹⁰⁾¹¹⁾²¹⁾²⁵⁾²⁷⁾		0 Q		Thread 3/4" NPT (ASME B1.20.1) PN 40/316L		0 1	
ATEX II 1/2G, 2G Ex d IIC + II 1D, 1/2D, 1/3D, 2D IP66 ⁸⁾¹¹⁾¹²⁾²¹⁾²³⁾²⁵⁾²⁷⁾		0 R		Thread G 1" (DIN 3852-A) PN 40/316L		0 2	
ATEX II 1D, 1/2D, 2D IP6x T ⁸⁾¹¹⁾¹²⁾²¹⁾²³⁾²⁴⁾²⁵⁾		0 S		Thread 1" NPT (ASME B1.20.1) PN 40/316L		0 3	
IEC Ex ia IIC T6 ⁴⁾¹²⁾²¹⁾²²⁾		0 T		Thread G 1 1/2" (DIN 3852-A) PN 40/316L		0 4	
IEC Ex ia IIC T6 + IEC IP6x T tD ⁸⁾¹¹⁾¹²⁾²¹⁾²⁵⁾²⁷⁾		0 U		Thread 1 1/2" NPT (ASME B1.20.1) PN 40/316L		0 5	
IEC Ex d ia IIC T6 ¹⁾⁷⁾¹²⁾		1 A		Thread G 2" (DIN 3852-A) PN 40/316L		0 6	
IEC Ex d ia IIC T6 + IEC IP6x T tD ⁷⁾⁸⁾¹²⁾²¹⁾		1 B		Flange DN 50 PN 40 Form C, DIN 2501/316L		1 0	
IEC Ex d IIC T6 ⁸⁾¹¹⁾¹²⁾²¹⁾²⁵⁾²⁷⁾		1 C		Flange DN 80 PN 40 Form C, DIN 2501/316L		1 2	
IEC Ex d IIC T6 + IEC IP6x T tD ⁸⁾¹¹⁾¹²⁾²¹⁾²³⁾²⁵⁾²⁷⁾		1 D		Flange DN 100 PN 16 Form C, DIN 2501/316L		1 3	
FM (NI) Class I, Div. 2, Groups A, B, C, D ¹²⁾²¹⁾		1 F		Flange DN 100 PN 40 Form C, DIN 2501/316L		1 4	
FM (NI) Class I, Div. 2, Groups A, B, C, D + Ship approval ⁹⁾¹⁰⁾²¹⁾		1 G		Flange DN 150 PN 16 Form C, DIN 2501/316L		1 5	
FM (IS) Class I, II, III, Div. 1, Groups A, B, C, D, E, F ¹²⁾²¹⁾		1 H		Flange DN 50 PN 40 EN 1092-1 Form B1/316L		1 6	
FM (IS) Class I, II, III, Div. 1, Groups A, B, C, D, E, F, G + shipping approval ⁹⁾¹⁰⁾		1 J		Flange DN 80 PN 40 EN 1092-1 Form B1/316L		1 7	
FM (XP-IS) Class I, II, III, Div. 1, Groups A, B, C, D, E, F, G ¹⁾⁷⁾¹²⁾		1 K		Flange DN 100 PN 16 EN 1092-1 Form B1/316L		1 8	
FM (XP-IS) Class I, II, III, Div. 1, Groups A, B, C, D, E, F, G + shipping approval ¹⁾⁷⁾⁹⁾¹⁰⁾		1 L		Flange 2" 150 lb RF, ANSI B16.5/316L		3 0	
FM (XP) Class I, Div. 1, Groups A, B, C, D ⁸⁾¹¹⁾¹²⁾²¹⁾²⁵⁾²⁷⁾		1 M		Flange 2" 300 lb RF, ANSI B16.5/316L		3 2	
CSA (NI) Class I, Div. 2, Groups A, B, C, D; (DIP) Class II, III, Div. 1, Groups E, F, G ⁴⁾⁸⁾¹²⁾²¹⁾²²⁾²³⁾²⁴⁾		1 N		Flange 3" 150 lb RF, ANSI B16.5/316L		3 3	
CSA (IS) Class I, II, III, Div. 1, Groups A, B, C, D, E, F, G ⁴⁾¹²⁾²¹⁾²²⁾		1 P		Flange 3" 300 lb RF, ANSI B16.5/316L		3 4	
CSA (XP-IS) Class I, II, III, Div. 1, Groups A, B, C, D, E, F, G ¹⁾⁷⁾¹²⁾		1 Q		Flange 4" 150 lb RF, ANSI B16.5/316L		3 5	
CSA (XP) Class I, II, III, Div. 1, Groups A, B, C, D, E, F, G ⁸⁾¹¹⁾¹²⁾²¹⁾²⁵⁾²⁷⁾		1 R		Flange 4" 300 lb RF, ANSI B16.5/316L		3 6	
NEPSI Ex ia IIC T6		2 A		Flange 6" 150 lb RF, ANSI B16.5/316L		3 7	
NEPSI Ex ia IIC T6 + DIP A20/21 TA T*		2 B		Electronics			
NEPSI Ex d ia IIC T6		2 C		Two-wire 4 ... 20 mA/HART		0	
NEPSI Ex d ia IIC T6 + DIP A20/21 TA T*		2 D		Four-wire Modbus ¹⁶⁾¹⁷⁾¹⁸⁾¹⁹⁾		1	
NEPSI Ex d IIC T6 ²⁷⁾		2 E		Two-wire 4 ... 20 mA/HART with SIL qualification ¹⁴⁾¹⁵⁾		2	
NEPSI Ex d IIC T6 + DIP A20/21 TA T* ²⁷⁾		2 F		Four-wire 4 ... 20 mA/HART; 90 ... 253 V AC; 50/60 Hz ¹⁾³⁾⁵⁾		3	
NEPSI DIP A20/21 TA T*		2 G		Four-wire 4 ... 20 mA/HART; 9.6 ... 48 V DC; 20 ... 42 V AC ¹⁾³⁾⁵⁾		4	
INMETRO Ex ia IIC T6 ... T1		3 A		PROFIBUS PA ²²⁾		5	
INMETRO Ex t IIIC T* IP6X, Da, Da/Db, Da/Dc, Db + Ex ia IIC T6, Ga, Ga/Gb		3 B		Seal/Process temperature			
				FKM (SHS FPM 70C3 GLT)/-40 ... +80 °C (-40 ... +176 °F)		A	
				FKM (SHS FPM 70C3 GLT)/-40 ... +150 °C (-40 ... +302 °F)		B	
				FFKM (Kalrez 6375)/-20 ... +200 °C (-4 ... +392 °F)		C	
				EPDM (A+P 75.5/KW75F)/without/-40...+80 °C (-40 ... +176 °F)		D	

Selection and Ordering data	Article No.	Order Code	Selection and Ordering data	Article No.	Order Code
SITRANS LG260	7ML5882-		SITRANS LG260	7ML5882-	
A guided wave radar sensor for level measurement of solids.			A guided wave radar sensor for level measurement of solids.		
EPDM (A+P 75.5/KW75F)/without/ -40 ... +150 °C (-40 ... +392 °F)		E	<u>Cable lengths ø4 mm/316</u>		
Housing/Protection/Cable			501 ... 1 000 mm (19.72 ... 39.37 inch)	9	R2 E
Plastic IP66/IP67 M20 x 1.5/blind stopper		A	1 001 ... 5 000 mm (39.41 ... 196.85 inch)	9	R2 F
Plastic IP66/IP67 1/2" NPT/blind stopper		B	5 001 ... 10 000 mm (196.89 ... 393.70 inch)	9	R2 G
Plastic 2-chamber/IP66/IP67/M20 x 1.5/ blind stopper		C	10 001 ... 15 000 mm (393.74 ... 590.55 inch)	9	R2 H
Plastic 2-chamber/IP66/IP67/ 1/2" NPT/ blind stopper		D	15 001 ... 20 000 mm (590.59 ... 787.40 inch)	9	R2 J
Aluminum/IP66/IP68 (0.2 bar) M20 x 1.5/ blind stopper		E	20 001 ... 25 000 mm (787.44 ... 984.25 inch)	9	R2 K
Aluminum/IP66/IP68 (0.2 bar) 1/2" NPT/ blind stopper		F	25 001 ... 30 000 mm (984.29 ... 1 181.10 inch)	9	R2 L
Aluminum double chamber/IP66/IP68 (0.2 bar) M20 x 1.5/blind stopper		G	30 001 ... 35 000 mm (1 181.14 ... 1 377.95 inch)	9	R2 M
Aluminum double chamber/IP66/ IP68 (0.2 bar) 1/2" NPT/blind stopper		H	35 001 ... 40 000 mm (1 377.99 ... 1 574.80 inch)	9	R2 N
Stainless Steel (precision casting) 316L/IP66/ IP68 (0.2 bar) M20 x 1.5/blind stopper		J	40 001 ... 45 000 mm (1 574.84 ... 1 771.65 inch)	9	R2 P
Stainless steel (precision casting) 316L/IP66/ IP68 (0.2 bar) 1/2" NPT/blind stopper		K	45 001 ... 50 000 mm (1 771.69 ... 1 968.50 inch)	9	R2 Q
Stainless steel (electropolished) 316L/IP66/ IP68 (0.2 bar) M20 x 1.5/blind stopper		L	50 001 ... 55 000 mm (1 968.54 ... 2 165.35 inch)	9	R2 R
Stainless steel (electropolished) 316L/IP66/ IP68 (0.2 bar) 1/2" NPT/blind stopper		M	55 001 ... 60 000 mm (2 165.39 ... 2 362.20 inch)	9	R2 S
Stainless steel double chamber/IP66/IP68 (0.2 bar) M20 x 1.5/blind stopper		N	<u>Cable lengths ø6 mm/316L</u>		
Stainless steel double chamber/IP66/ IP68 (0.2 bar) 1/2" NPT/blind stopper		P	500 mm (19.69 inch)	9	R4 A
Aluminum/IP66/IP68 (0.2 bar) M20 x 1.5/ cable gland stainless steel		Q	501 ... 1 000 mm (19.72 ... 39.37 inch)	9	R4 B
Aluminum double chamber/IP66/IP68 (0.2 bar) M20 x 1.5/cable gland stainless steel		R	1 001 ... 5 000 mm (39.41 ... 196.85 inch)	9	R4 C
Stainless steel (precision casting) 316L/ IP66/ IP68 (0.2 bar) M20 x 1.5/cable gland stainless steel		S	5 001 ... 10 000 mm (196.89 ... 393.70 inch)	9	R4 D
Stainless steel (electropolished) 316L/IP66/ IP68 (0.2 bar) M20 x 1.5/cable gland stainless steel		T	10 001 ... 15 000 mm (393.74 ... 590.55 inch)	9	R4 E
Aluminum single chamber/IP66/IP68 (0.2 bar) M20 x 1.5/cable gland brass nickel-plated		W	15 001 ... 20 000 mm (590.59 ... 787.40 inch)	9	R4 F
Aluminum double chamber/IP66/IP68 (0.2 bar) M20 x 1.5/cable gland brass nickel- plated		X	20 001 ... 25 000 mm (787.44 ... 984.25 inch)	9	R4 G
Stainless steel single chamber (precision casting)/IP66/IP68 (0.2 bar) M20 x 1.5/cable gland brass nickel-plated		Y	25 001 ... 30 000 mm (984.29 ... 1 181.10 inch)	9	R4 H
Stainless steel double chamber/IP66/IP68 (0.2 bar) M20 x 1.5/cable gland brass nickel- plated		U	30 001 ... 35 000 mm (1 181.14 ... 1 377.95 inch)	9	R4 J
Lengths			35 001 ... 40 000 mm (1 377.99 ... 1 574.80 inch)	9	R4 K
<u>Rod ø16 mm/316L</u>			40 001 ... 45 000 mm (1 574.84 ... 1 771.65 inch)	9	R4 L
500 mm (19.69 inch)		0	45 001 ... 50 000 mm (1 771.69 ... 1 968.50 inch)	9	R4 M
501 ... 1 000 mm (19.72 ... 39.37 inch)		1	50 001 ... 55 000 mm (1 968.54 ... 2 165.35 inch)	9	R4 N
1 001 ... 2 000 mm (39.41 ... 78.74 inch)		2	55 001 ... 60 000 mm (2 165.39 ... 2 362.20 inch)	9	R4 P
2 001 ... 3 000 mm (78.78 ... 118.11 inch)		3	<u>Cable lengths ø6 mm or ø11 mm/PA coated</u>		
3 001 ... 4 000 mm (118.15 ... 157.48 inch)		4	501 ... 1 000 mm (19.72 ... 39.37 inch)	9	R6 A
4 001 ... 5 000 mm (157.52 ... 196.85 inch)		5	1 001 ... 5 000 mm (39.41 ... 196.85 inch)	9	R6 B
5 001 ... 6 000 mm (196.89 ... 216.53 inch)		6	5 001 ... 10 000 mm (196.89 ... 393.70 inch)	9	R6 C
			10 001 ... 15 000 mm (393.74 ... 590.55 inch)	9	R6 D
			15 001 ... 20 000 mm (590.59 ... 787.40 inch)	9	R6 E
			20 001 ... 25 000 mm (787.44 ... 984.25 inch)	9	R6 F
			25 001 ... 30 000 mm (984.29 ... 1 181.10 inch)	9	R6 G
			30 001 ... 35 000 mm (1 181.14 ... 1 377.95 inch)	9	R6 H
			35 001 ... 40 000 mm (1 377.99 ... 1 574.80 inch)	9	R6 J
			40 001 ... 45 000 mm (1 574.84 ... 1 771.65 inch)	9	R6 K
			45 001 ... 50 000 mm (1 771.69 ... 1 968.50 inch)	9	R6 L
			50 001 ... 55 000 mm (1 968.54 ... 2 165.35 inch)	9	R6 M
			55 001 ... 65 000 mm (2 165.39 ... 2 559 inch)	9	R6 N

Selection and Ordering data		Order code	Selection and Ordering data		Article No.
Further designs (mandatory)			Operating Instructions		
Please add "-Z" to Article No. and specify Order code(s).			German		
Supplementary electronics			4 ... 20 mA/HART - two-wire		PBD:51041020
Without		A00	4 ... 20 mA/HART - four-wire		PBD:51041021
Additional current output 4 ... 20 mA ¹⁾²⁰⁾		A01	Modbus		PBD:51041022
Rod mounted			PROFIBUS PA		PBD:51041023
Without Rod, applicable for coax or cable probe types only		C00	Note: Operating instructions should be ordered as a separate line on the order.		
Mounted		C01	This device is shipped with the Siemens Milltronics manual DVD containing the operating instructions library.		
Not mounted		C02	English		
Local display interface			4 ... 20 mA/HART - two-wire		PBD:51041057
Without		E00	4 ... 20 mA/HART - four-wire		PBD:51041058
Mounted		E01	Modbus		PBD:51041059
Laterally mounted ¹⁾		E02	PROFIBUS PA		PBD:51041060
Language of display			Note: Operating instructions should be ordered as a separate line on the order.		
German		L00	This device is shipped with the Siemens Milltronics manual DVD containing the operating instructions library.		
English		L01	French		
French		L02	4 ... 20 mA/HART - two-wire		PBD:51041131
Dutch		L03	4 ... 20 mA/HART - four-wire		PBD:51041132
Italian		L04	Modbus		PBD:51041133
Spanish		L05	PROFIBUS PA		PBD:51041134
Portuguese		L06	Note: Operating instructions should be ordered as a separate line on the order.		
Russian		L07	This device is shipped with the Siemens Milltronics manual DVD containing the operating instructions library.		
Chinese		L08	Spanish		
Japanese		L09	4 ... 20 mA/HART - two-wire		PBD:51041094
Operating instructions			4 ... 20 mA/HART - four-wire		PBD:51041095
German		M00	Modbus		PBD:51041096
English		M01	PROFIBUS PA		PBD:51041097
French		M02	Note: Operating instructions should be ordered as a separate line on the order.		
Spanish		M03	This device is shipped with the Siemens Milltronics manual DVD containing the operating instructions library.		
Selection and Ordering data		Order code	Selection and Ordering data		Article No.
Further designs (optional)			Operating Instructions		
Please add "-Z" to Article No. and specify Order code(s).			German		
Enter the total insertion length in plain text description		Y01	4 ... 20 mA/HART - two-wire		PBD:51041094
Identification Label (measurement loop) stainless steel		Y17	4 ... 20 mA/HART - four-wire		PBD:51041095
Identification Label (measurement loop) Foil		Y18	Modbus		PBD:51041096
3.1-Inspection Certificate for material (EN 10204 NACE MR 0175) ¹³⁾		D07	PROFIBUS PA		PBD:51041097
3.1-Inspection Certificate for instrument with test data (EN 10204) ¹³⁾		C25	Note: Operating instructions should be ordered as a separate line on the order.		
(H) 2.2-Factory certificate for material (EN 10204) ¹³⁾		C15	This device is shipped with the Siemens Milltronics manual DVD containing the operating instructions library.		
Quality and test plan ¹³⁾		C26	Spanish		
Dye penetration test + 3.1 certificate/instrument ¹³⁾		C13	4 ... 20 mA/HART - two-wire		PBD:51041094
X-ray test + 3.1 certificate/instrument ¹³⁾		C14	4 ... 20 mA/HART - four-wire		PBD:51041095
Positive material identification test + 3.1 certificate/instrument ¹³⁾		C16	Modbus		PBD:51041096
Roughness test + 3.1 certificate/instrument ¹³⁾		C18	PROFIBUS PA		PBD:51041097
Pressure test + 3.1 certificate/instrument ¹³⁾		C31	Note: Operating instructions should be ordered as a separate line on the order.		
Helium leak test + 3.1 certificate/instrument ¹³⁾		C32	This device is shipped with the Siemens Milltronics manual DVD containing the operating instructions library.		
Ferrite measuring accuracy to DIN 32514-1 + 3.1 certificate/instrument ¹³⁾		C60	Spanish		
Pressure test according to Norsok + 3.1 certificate/instrument ¹³⁾		C61	4 ... 20 mA/HART - two-wire		PBD:51041094
5 point calibration certificate + 3.1 certificate/instrument ¹³⁾		C62	4 ... 20 mA/HART - four-wire		PBD:51041095

Selection and Ordering data	Article No.
<i>Accessories</i>	
SITRANS LG, GWR sensor Display Module	A5E34143449
SITRANS LG, USB communicator	A5E35192015
SITRANS RD100, loop powered display - see Chapter 7	7ML5741-...
SITRANS RD200, universal input display with Modbus conversion - see Chapter 7	7ML5740-...
SITRANS RD300, dual line display with totalizer and linearization curve and Modbus conversion - see Chapter 7	7ML5744-...
SITRANS RD500 web, universal remote monitoring solution for instrumentation - see Chapter 7	7ML5750-...
For applicable back up point level switch - see point level measurement section	

- 1) Available only with Housing/Protection/Cable Options C, D, G, H, N, P
- 2) Not available with Process/Fitting/Material options 00, 01, 02, and 03
- 3) Available with Supplementary electronic option A00 and Local display interface options E00, E01
- 4) Available with Supplementary electronic option A01
- 5) Not available with Approval options 0B ... 0H, 0L, 0Q, 1B, 1F, 1G, 1J, 1L (not available with Intrinsically Safe and shipping approvals)
- 6) Available with Rod Mounted options C01 and C02
- 7) Available with Local display interface options E00 and E01
- 8) Available with Housing Protection options C,D E, F, G, H, J, K, N, P
- 9) Not available with Housing/ Protection/ Cable options L, M, and T
- 10) Available with Electronic option 0 only
- 11) Available with Seal/ Process temperature option C only
- 12) Available with Version/ Material option E only
- 13) Listed Certificates are not available with all configurations, please contact factory for more information
- 14) SIL electronics option 2 available with Approval options 0A, 0E, 0G, 0H, 0N, 0Q, 0R, 0S, 0T, 0U, 1C, 1D, 1F, 1H, 1M, 1N, 1P, and 1R
- 15) Available with supplementary electronic option A00, SIL electronics
- 16) Available with Approvals options 0A, 0J, 0K, 0R, 0S, 1A, 1C, 1E, and 1G
- 17) Available with Housings/ Protection/ Cable options E, F, L, M, and P
- 18) Available with supplementary electronic option A00
- 19) Available with Local display interface options E00, E01
- 20) Not available with Local display interface option E02
- 21) Available with Housing Protection F, H, P, and K
- 22) Not available with Supplementary electronic option A01
- 23) Available with Housing/ protection options W and Y
- 24) Available with Housing/ protection options X and U
- 25) Available with Housing/ protection Cable option E, F, J, K, W, Y only
- 26) Available with Electronics options 0, 2, and 5
- 27) Available with Seal/ Process option C
- 28) Probe options A, B, and E cannot be paired with seal options A and D

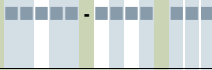
Note: Please consult manual for further details.

Selection and Ordering data	Article No.	Order Code
SITRANS LG270	7ML5883-	
A guided wave radar sensor for continuous level and interface measurement of liquids in aggressive applications		
Click on the Article No. for the online configuration in the PIA Life Cycle Portal.		
Approvals		
Ordinary location CE ³⁾	0 A	
Shipping approval ¹⁷⁾¹⁸⁾¹⁹⁾	0 B	
Overfill protection (WHG; VLAREM) ³⁴⁾	0 C	
ATEX II 1G, 1/2G, 2G Ex ia IIC T6 ³⁾	0 E	
ATEX II 1G, 1/2G, 2G Ex ia IIC + Overfill (WHG; VLAREM) ³⁾³⁴⁾	0 F	
ATEX II 1G, 1/2G, 2G Ex ia IIC T6 + shipping approval ¹⁷⁾¹⁸⁾¹⁹⁾	0 G	
ATEX II 1G, 1/2G 2G Ex ia IIC + ATEX II 1D, 1/2D, 2D IP6x ¹⁶⁾²⁸⁾³²⁾³³⁾	0 H	
ATEX II 1/2G, 2G Ex d ia IIC T6 ¹⁾¹⁰⁾¹⁴⁾³³⁾	0 J	
ATEX II 1/2G, 2G Ex d ia IIC + shipping approval ¹⁾¹⁰⁾¹⁴⁾¹⁷⁾¹⁸⁾¹⁹⁾	0 L	
ATEX II 1/2G, 2G Ex d ia IIC + ATEX II 1/2D, 2D IP6x ¹⁰⁾¹⁴⁾¹⁶⁾²⁸⁾³³⁾	0 M	
ATEX II 1/2G, 2G Ex d IIC T6 ¹¹⁾	0 N	
ATEX II 1/2G, 2G Ex d IIC + ship approval ¹⁷⁾¹⁸⁾¹⁹⁾	0 Q	
ATEX II 1/2G, 2G Ex d IIC + ATEX II 1/2D, 2D IP6x ¹⁾¹⁶⁾²⁸⁾³²⁾	0 R	
ATEX II 1D, 1/2D, 2D IP6x T ¹⁶⁾²⁸⁾³²⁾³³⁾	0 S	
IEC Ex ia IIC T6 ³⁾	0 T	
IEC Ex ia IIC T6 + IEC IP6x T tD ¹⁶⁾²⁸⁾³²⁾³³⁾	0 U	
IEC Ex d ia IIC T6 ¹⁾¹⁰⁾¹⁴⁾³³⁾	1 A	
IEC Ex d ia IIC T6 + IEC IP6x T tD ¹⁰⁾¹⁴⁾¹⁶⁾²⁸⁾³³⁾	1 B	
IEC Ex d IIC T6 ¹¹⁾	1 C	
IEC Ex d IIC T6 + IEC IP6x T tD ¹¹⁾¹⁶⁾²⁸⁾³²⁾	1 D	
FM (NI) Class I, Div. 2, Groups A, B, C, D	1 F	
FM (NI) Class I, Div. 2, Groups A, B, C, D + ship approval ¹⁷⁾¹⁸⁾¹⁹⁾	1 G	
FM (IS) Class I, II, III, Div. 1, Groups A, B, C, D, E, F	1 H	
FM (IS) Class I, II, III, Div. 1, Groups A, B, C, D, E, F, G + ship approval ¹⁷⁾¹⁸⁾¹⁹⁾	1 J	
FM (XP-IS) Class I, II, III, Div. 1, Groups A, B, C, D, E, F, G ¹⁾¹⁰⁾¹⁴⁾	1 K	
FM (XP-IS) Class I, II, III, Div. 1, Groups A, B, C, D, E, F, G + shipping approval ¹⁾¹⁰⁾¹⁷⁾¹⁸⁾¹⁹⁾	1 L	
FM (XP) Class I, Div. 1, Groups A, B, C, D	1 M	
CSA (NI) Class I, Div. 2, Groups A, B, C, D; (DIP) Class II, III, Div. 1, Groups E, F, G ³⁾¹⁶⁾³²⁾³³⁾	1 N	
CSA (IS) Class I, II, III, Div. 1, Groups A, B, C, D, E, F, G ³⁾	1 P	
CSA (XP-IS) Class I, II, III, Div. 1, Groups A, B, C, D, E, F, G ¹⁾¹⁰⁾¹⁴⁾	1 Q	
CSA (XP) Class I, II, III, Div. 1, Groups A, B, C, D, E, F, G ¹¹⁾	1 R	
NEPSI Ex ia IIC T6	2 A	
NEPSI Ex ia IIC T6 + DIP A20/21 TA T*	2 B	
NERSI Ex d ia IIC T6	2 C	
NEPSI Ex d ia IIC T6 + DIP A20/21 TA T*	2 D	
NEPSI Ex d IIC T6	2 E	
NEPSI Ex d IIC T6 + DIP A20/21 TA T*	2 F	
NEPSI DIP A20/21 TA T*	2 G	
INMETRO Ex ia IIC T6 ... T1	3 A	
INMETRO Ex t IIIC T* IP6X, Da, Da/Db, Da/Dc, Db + Ex ia IIC T6, Ga, Ga/Gb	3 B	
INMETRO Ex d ia IIC T6 ... T1	3 C	

Selection and Ordering data	Article No.	Order Code
SITRANS LG270	7ML5883-	
A guided wave radar sensor for continuous level and interface measurement of liquids in aggressive applications		
INMETRO Ex t IIIC T* IP6X, Da, Da/Db, Da/Dc, Db + Ex d ia IIC T6 Ga/Gb	3 D	
INMETRO Ex d IIC T6 ... T1	3 E	
INMETRO Ex t IIIC T* IP6X, Da, Da/Db, Da/Dc, Db + Ex d IIC T6 Ga/Gb	3 F	
INMETRO Ex t IIIC T* IP6X, Da, Da/Db, Da/Dc, Db	3 G	
Version/Material		
Probe exchangeable cable ø 2 mm (0.08 inch) with gravity weight/316L ⁴⁾⁷⁾	A	
Probe exchangeable cable ø2 mm (0.08 inch) center weight/316L ⁵⁾⁷⁾	B	
Probe exchangeable cable ø4 mm (0.16 inch) with gravity weight/316L ⁴⁾⁷⁾	C	
Probe exchangeable cable ø4 mm (0.16 inch) with center weight/316L ⁵⁾⁷⁾	D	
Probe exchangeable rod ø16 mm (0.63 inch)/316L ⁴⁾⁷⁾⁹⁾	E	
Probe coax version ø42.2 mm (1.66 inch) with multiple hole/316L ⁴⁾⁷⁾	F	
Probe coax version ø42.2 mm (1.66 inch); multiple hole; reference distances/316L ⁴⁾⁷⁾¹³⁾³⁰⁾	G	
Probe exchangeable cable ø4 mm (0.16 inch) with gravity weight/ Hastelloy C22 (2.4602) ⁷⁾	H	
Probe exchangeable rod ø16 mm (0.63 inch)/ Hastelloy C22 (2.4602) ⁷⁾	J	
Coax version ø42.2 mm (1.66 inch) with multiple hole/ Hastelloy C22 (2.4602) ⁷⁾	K	
Process fitting/Material		
Thread G 1 1/2" (DIN 3852-A) PN 400/316L	0 0	
Thread 1 1/2" NPT (ASME B1.20.1) PN 400/316L	0 1	
Thread G1 1/2" PN 400, DIN 3852-A/ Hastelloy C22 (2.4602)	0 2	
Thread 1 1/2" NPT PN 400, ASME B1.20.1/ Hastelloy C22 (2.4602)	0 3	
Flange DN 50 PN 40 Form C, DIN 2501/ 316L with Hastelloy C22 (2.4602) coating	0 4	
Flange DN 80 PN 40 Form C, DIN 2501/ 316L with Hastelloy C22 (2.4602) coating	0 5	
Flange DN 100 PN 16 Form C, DIN 2501/ 316L with Hastelloy C22 (2.4602) coating	0 6	
Flange DN 50 PN 40 Form B1, EN 1092-1/ 316L with Hastelloy C22 (2.4602) coating	0 7	
Flange DN 50 PN 63 Form B1, EN 1092-1/ 316L with Hastelloy C22	0 8	
Flange DN 50 PN 40 Form C, DIN 2501/316L	1 0	
Flange DN 50 PN 40 form V13, DIN 2513/316L	1 1	
Flange DN 65 PN 64 Form V13, DIN 2501/ 316L	1 2	
Flange DN 80 PN 40 Form C, DIN 2501/316L	1 3	
Flange DN 80 PN 40 Form V13, DIN 2501/ 316L	1 4	
Flange DN 80 PN 100 Form L, DIN 2501/316L	1 5	
Flange DN 100 PN 16 Form C, DIN 2501/316L	1 6	
Flange DN 100 PN 16 Form V13, DIN 2501/ 316L	1 7	
Flange DN 100 PN 40 Form C, DIN 2501/316L	1 8	
Flange DN 100 PN 40 Form V13, DIN 2513/ 316L	2 0	
Flange DN 150 PN 16 Form C, DIN 2501/316L	2 1	
Flange DN 50 PN 40 EN 1092-1 Form B1/316L	2 2	
Flange DN 100 PN 160 GOST 12815-80.7/ 316L	2 3	

Selection and Ordering data	Article No.	Order Code	Selection and Ordering data	Article No.	Order Code
SITRANS LG270	7ML5883-		SITRANS LG270	7ML5883-	
A guided wave radar sensor for continuous level and interface measurement of liquids in aggressive applications			A guided wave radar sensor for continuous level and interface measurement of liquids in aggressive applications		
Flange 2" 150 lb RF, ASME B16.5/316L with Hastelloy C22 (2.4602) coating	2 4		Flange DN 100 PN 40 Form N, DIN 2501/ Hastelloy C22 (2.4602) solid	7 3	
Flange 2" 300 lb RF, ASME B16.5/316L with Hastelloy C22 (2.4602) coating	2 5		Flange DN 50 PN 40 Form B1, EN 1092-1/ Hastelloy C22 (2.4602) solid	7 4	
Flange 2" 600 lb RF, ASME B16.5/316L with Hastelloy C22 (2.4602) coating	2 6		Flange 2" 150 lb RF, ASME B16.5/Hastelloy C22 (2.4602) solid	7 5	
Flange 3" 150 lb RF, ASME B16.5/316L with Hastelloy C22 (2.4602) coating	2 7		Flange 2" 300 lb RF, ASME B16.5/Hastelloy C22 (2.4602) solid	7 6	
Flange 3" 300 lb RF, ASME B16.5/316L with Hastelloy C22 (2.4602) coating	2 8		Flange 2" 600 lb RF, ASME B16.5/Hastelloy C22 (2.4602) solid	7 7	
Flange DN 80 PN 160 Form C, DIN 2501/316L	6 0		Flange 2" 900 lb RJF, ASME B16.5/Hastelloy C22 (2.4602) solid	7 8	
Flange DN 80 PN 250 Form L, DIN 2501/316L	6 1		Flange 2" 1 500 lb RJF, ASME B16.5/ Hastelloy C22 (2.4602) solid	8 0	
Flange DN 50 PN 160, EN 1092-1 Form B1/ 316L	6 2		Flange 3" 150 lb RF, ASME B16.5/Hastelloy C22 (2.4602) solid	8 1	
Flange DN 50 PN 160, EN 1092-1 Form B2/ 316L	6 3		Flange 3" 300 lb RF, ASME B16.5/Hastelloy C22 (2.4602) solid	8 2	
Flange DN 50 PN 320, EN 1092-1 Form B1/ 316L	6 4		Flange 3" 600 lb RF, ASME B16.5/Hastelloy C22 (2.4602) solid	8 3	
Flange DN 65 PN 250, EN 1092-1 Form B1/ 316L	6 5		Flange 4" 150 lb RF, ASME B16.5/Hastelloy C22 (2.4602) solid	8 4	
Flange DN 100 PN 160, EN 1092-1 Form B2/ 316L	6 6		Flange 4" 300 lb RF, ASME B16.5/Hastelloy C22 (2.4602) solid	8 5	
Flange DN 80 PN 63, EN 1092-1 Form B2/ 316L	6 7		Flange 3" 600 lb RJF for R31, ASME B16.5/ Hastelloy C22 (2.4602) solid	8 6	
Flange 4" 600 lb RF, ASME B16.5/ 316L with Hastelloy C22 (2.4602) coating	6 8		Flange 2" 2 500 lb RJF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 A
Flange 2" 150 lb RF, ANSI B16.5/316L	3 0		Flange 3" 1 500 lb RJF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 B
Flange 2" 300 lb RF, ANSI B16.5/316L	3 1		Flange 3" 2 500 lb RJF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 C
Flange 2" 600 lb RF, ANSI B16.5/316L	3 2		Flange 4" 600 lb RF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 D
Flange 2" 1 500 lb RF, ANSI B16.5/316L	3 3		Flange 4" 900 lb RF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 E
Flange 3" 150 lb RF, ANSI B16.5/316L	3 4		Flange 4" 900 lb RJF, ASME B16.5/Hastelloy C22 (2.4602) massiv	9 0	L 1 G
Flange 3" 300 lb RF, ANSI B16.5/316L	3 5		Flange 4" 1 500 lb RJF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 H
Flange 3" 600 lb RF, ANSI B16.5/316L	3 6		Flange 4" 2 500 lb RJF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 J
Flange 3" 900 lb RF, ANSI B16.5/316L	3 7		Flange 8" 300 lb RF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 K
Flange 3" 2 500 lb RF, ANSI B16.5/316L	3 8		Flange 3½" 600 lb Fisher type 249B and 259B/ Hastelloy C22 (2.4602) solid	9 0	L 1 L
Flange 3 1/2" 600 lb RF, ANSI B16.5/316L	4 0				
Flange 4" 150 lb RF, ANSI B16.5/316L	4 1		Electronics		
Flange 4" 300 lb RF, ANSI B16.5/316L	4 2		Two-wire 4 ... 20 mA/HART	0	
Flange 4" 600 lb RF, ANSI B16.5/316L	4 3		Four-wire Modbus ²³⁾²⁴⁾²⁵⁾²⁶⁾	1	
Flange 6" 150 lb RF, ANSI B16.5/316L	4 4		Two-wire 4 ... 20 mA/HART with SIL qualification ²¹⁾²²⁾	2	
Flange 6" 300 lb RF, ANSI B16.5/316L	4 5		Four-wire 4 ... 20 mA/HART; 90 ... 253 V AC; 50/60 Hz ¹⁾²⁾⁶⁾	3	
Flange 6" 600 lb RF, ANSI B16.5/316L	4 6		Four-wire 4 ... 20 mA/HART; 9.6 ... 48 V DC; 20 ... 42 V AC ¹⁾²⁾⁶⁾	4	
Flange 2" 150 lb Fisher special return/316L	4 7		PROFIBUS PA ³¹⁾	5	
Flange 3" 900 lb RJF, ASME B16.5/ Hastelloy C22 (2.4602)	4 8				
Flange 2" 900 lb RF, ANSI B16.5/316L	5 0		Seal/Second line of defense/ Process temperature		
Flange 3" 1 500 lb RF, ANSI B16.5/316L	5 1		Ceramic-graphite/with glass seal/ -196 ... +280 °C (-321 ... +536 °F)	A	
Flange 4" 900 lb RF, ANSI B16.5/316L	5 2		Ceramic-graphite/with glass seal/ -196 ... +450 °C (-321 ... +842 °F)	B	
Flange 4" 1 500 lb RF, ANSI B16.5/316L	5 3				
Flange 4" 2 500 lb RJF, ANSI B16.5/316L	5 4				
Flange 4" 1500 lb RJF, ASME B16.5/316L	5 5				
Flange 3" 600 lb RF, ASME B16.5/316L with Hastelloy C22 (2.4602) coating	5 6				
Flange 4" 150 lb RF, ASME B16.5/316L with Hastelloy C22 (2.4602) coating	5 7				
Flange 4" 300 lb RF, ASME B16.5/316L with Hastelloy C22 (2.4602) coating	5 8				
Flange 6" 150 lb RF, ASME B16.5/316L with Hastelloy C22 (2.4602) coating	7 0				
Flange DN 50 PN 40 Form C, DIN 2501/ Hastelloy C22 (2.4602) solid	7 1				
Flange DN 100 PN 16 Form C, DIN 2501/C22 solid	7 2				

Selection and Ordering data	Article No. Order Code			Selection and Ordering data	Article No. Order Code		
SITRANS LG270	7ML5883-			SITRANS LG270	7ML5883-		
A guided wave radar sensor for continuous level and interface measurement of liquids in aggressive applications				A guided wave radar sensor for continuous level and interface measurement of liquids in aggressive applications			
Housing/Protection/Cable							
Plastic IP66/IP67 M20 x 1.5/blind stopper			A	3 001 ... 4 000 mm (118.15 ... 157.48 inch) ¹⁵⁾		9	R 1 D
Plastic IP66/IP67 1/2" NPT/blind stopper			B	4 001 ... 5 000 mm (157.52 ... 196.85 inch) ¹⁵⁾		9	R 1 E
Aluminum/IP66/IP68 (0.2 bar) M20 x 1.5/ blind stopper			C	5 001 ... 6 000 mm (196.89 ... 216.53 inch) ¹⁵⁾		9	R 1 F
Aluminum/IP66/IP68 (0.2 bar) 1/2" NPT/blind stopper			D	<u>Cable lengths ø2 or 4 mm/316L</u>			
Aluminum double chamber/IP66/IP68 (0.2 bar) M20 x 1.5/blind stopper			E	501 ... 1 000 mm (19.72 ... 39.37 inch)		9	R 2 E
Aluminum double chamber/IP66/IP68 (0.2 bar) 1/2" NPT/blind stopper			F	1 000 ... 5 000 mm (39.37 ... 196.85 inch)		9	R 2 F
Stainless steel (precision casting) 316L/IP66/ IP68 (0.2 bar) M20 x 1.5/blind stopper			L	5 001 ... 10 000 mm (196.89 ... 393.70 inch)		9	R 2 G
Stainless steel (precision casting) 316L/IP66/ IP68 (0.2 bar) 1/2" NPT/blind stopper			M	10 001 ... 15 000 mm (393.74 ... 590.55 inch)		9	R 2 H
Stainless steel (electropolished) 316L/IP66/ IP68 (0.2 bar) M20 x 1.5/blind stopper			N	15 001 ... 20 000 mm (590.59 ... 787.40 inch)		9	R 2 J
Stainless steel (electropolished) 316L/IP66/ IP68 (0.2 bar) 1/2" NPT/blind stopper			P	20 001 ... 25 000 mm (787.44 ... 984.25 inch)		9	R 2 K
Stainless steel double chamber/IP66/IP68 (0.2 bar) M20 x 1.5/blind stopper			Q	25 001 ... 30 000 mm (984.29 ... 1 181.10 inch)		9	R 2 L
Stainless steel double chamber/IP66/IP68 (0.2 bar) 1/2" NPT/blind stopper			R	30 001 ... 35 000 mm (1 181.14 ... 1 377.95 inch)		9	R 2 M
Aluminum/IP66/IP68 (0.2 bar) M20 x 1.5/ cable gland stainless steel			S	35 001 ... 40 000 mm (1 377.99 ... 1 574.80 inch)		9	R 2 N
Aluminum double chamber/IP66/IP68 (0.2 bar) M20 x 1.5/cable gland stainless steel			T	40 001 ... 45 000 mm (1 574.84 ... 1 771.65 inch)		9	R 2 P
Stainless steel (precision casting) 316L/IP66/ IP68 (0.2 bar) M20 x 1.5/cable gland stain- less steel			U	45 001 ... 50 000 mm (1 771.69 ... 1 968.50 inch)		9	R 2 Q
Stainless steel (electropolished) 316L/IP66/ IP68 (0.2 bar) M20 x 1.5/cable gland stain- less steel			V	50 001 ... 55 000 mm (1 968.54 ... 2 165.35 inch)		9	R 2 R
Aluminum single chamber/IP66/IP68 (0.2 bar) M20 x 1.5/cable gland brass nickel-plated			W	55 001 ... 60 000 mm (2 165.39 ... 2 362.20 inch)		9	R 2 S
Aluminum double chamber/IP66/IP68 (0.2 bar) M20 x 1.5/cable gland brass nickel-plated			X	<u>Cable lengths ø4 mm/ C22</u>			
Stainless steel single chamber (precision casting)/IP66/IP68 (0.2 bar) M20 x 1.5/cable gland brass nickel-plated			Y	501 ... 1 000 mm (19.72 ... 39.37 inch)		9	R 4 A
Stainless steel double chamber/IP66/IP68 (0.2 bar) M20 x 1.5/cable gland brass nickel-plated			J	1 000 ... 5 000 mm (39.37 ... 196.85 inch)		9	R 4 B
				5 001 ... 10 000 mm (196.89 ... 393.70 inch)		9	R 4 C
				10 001 ... 15 000 mm (393.74 ... 590.55 inch)		9	R 4 D
				15 001 ... 20 000 mm (590.59 ... 787.40 inch)		9	R 4 E
				20 001 ... 25 000 mm (787.44 ... 984.25 inch)		9	R 4 F
				25 001 ... 30 000 mm (984.29 ... 1 181.10 inch)		9	R 4 G
				30 001 ... 35 000 mm (1 181.14 ... 1 377.95 inch)		9	R 4 H
				35 001 ... 40 000 mm (1 377.99 ... 1 574.80 inch)		9	R 4 J
				40 001 ... 45 000 mm (1 574.84 ... 1 771.65 inch)		9	R 4 K
				45 001 ... 50 000 mm (1 771.69 ... 1 968.50 inch)		9	R 4 L
				50 001 ... 55 000 mm (1 968.54 ... 2 165.35 inch)		9	R 4 M
				55 001 ... 60 000 mm (2 165.39 ... 2 362.20 inch)		9	R 4 N
Lengths							
<u>Rod ø16 mm/316L</u>							
300 mm (11.81 inch) ¹⁵⁾			0				
500 mm (19.69 inch) ¹⁵⁾			1				
501 ... 1 000 mm (19.72 ... 39.37 inch) ¹⁵⁾			2				
1 001 ... 2 000 mm (39.41 ... 78.74 inch) ¹⁵⁾			3				
2 001 ... 3 000 mm (78.78 ... 118.11 inch) ¹⁵⁾			4				
3 001 ... 4 000 mm (118.15 ... 157.48 inch) ¹⁵⁾			5				
4 001 ... 5 000 mm (157.52 ... 196.85 inch) ¹⁵⁾			6				
5 001 ... 6 000 mm (196.89 ... 216.53 inch) ¹⁵⁾			7				
<u>Rod ø16 mm/C22</u>							
501 ... 1000 mm (19.72 ... 39.37 inch) ¹⁵⁾			9			R 1 A	
1 001 ... 2 000 mm (39.41 ... 78.74 inch) ¹⁵⁾			9			R 1 B	
2 001 ... 3 000 mm (78.78 ... 118.11 inch) ¹⁵⁾			9			R 1 C	

Selection and Ordering data		Article No.	Order Code
SITRANS LG270		7ML5883-	
A guided wave radar sensor for continuous level and interface measurement of liquids in aggressive applications			
<u>Coax ø42.2 mm/316L</u>			
300 ... 1 000 mm (11.81 ... 39.37 inch) ¹⁵⁾		9 R 3 G	
1 001 ... 2 000 mm (39.41 ... 78.74 inch) ¹⁵⁾³⁰⁾		9 R 3 H	
2 001 ... 3 000 mm (78.78 ... 118.11 inch) ¹⁵⁾		9 R 3 J	
3 001 ... 4 000 mm (118.15 ... 157.48 inch) ¹⁵⁾		9 R 3 K	
4 001 ... 5 000 mm (157.52 ... 196.85 inch) ¹⁵⁾		9 R 3 L	
5 001 ... 6 000 mm (196.89 ... 236.22 inch) ¹⁵⁾		9 R 3 M	
<u>Coax ø42.2 mm/ C22</u>			
300 ... 1 000 mm (11.81 ... 39.37 inch) ¹⁵⁾		9 R 3 Q	
1 001 ... 2 000 mm (39.41 ... 78.74 inch) ¹⁵⁾³⁰⁾		9 R 3 R	
2 001 ... 3 000 mm (78.78 ... 118.11 inch) ¹⁵⁾		9 R 3 S	
3 001 ... 4 000 mm (118.15 ... 157.48 inch) ¹⁵⁾		9 R 3 T	
4 001 ... 5 000 mm (157.52 ... 196.85 inch) ¹⁵⁾		9 R 3 U	
5 001 ... 6 000 mm (196.89 ... 216.53 inch) ¹⁵⁾		9 R 3 V	

Selection and Ordering data		Order code
Further designs (mandatory)		
Please add "-Z" to Article No. and specify Order code(s).		
Supplementary electronics		
Without		A00
Additional current output 4 ... 20 mA ¹⁾²⁷⁾		A01
Dimensions centering weight (diameter/height)		
Without		B00
ø40/30 mm		B01
ø45/30 mm (for 2 inch tubes)		B02
ø75/30 mm (for 3 inch tubes)		B03
ø95/30 mm (for 4 inch tubes)		B04
ø1.57 inch/1.18 inch (for 2 inch Schedule 160)		B05
ø40 mm/30 mm		
ø1.77 inch/1.18 inch (for 2 inch Schedule 40/80 a. 3 inch Schedule) ø45 mm/30 mm (for 2 inch tubes)		B06
ø2.95 inch/1.18 inch (for 3 inch Schedule 10/40) ø75 mm/30 mm (for 3 inch tubes)		B07
ø3.74 inch/1.18 inch (for 4 inch Schedule 80) ø95 mm/30 mm (for 4 inch tubes)		B08
Rod mounted		
Without Rod, applicable for coax or cable probe types only ³⁾		C00
Mounted		C01
Not mounted		C02
Local display interface		
Without		E00
Mounted		E01
Laterally mounted ¹⁾		E02
Language of display		
German		L00
English		L01
French		L02
Dutch		L03
Italian		L04
Spanish		L05
Portuguese		L06
Russian		L07
Chinese		L08
Japanese		L09
Operating instructions		
German		M00
English		M01
French		M02
Spanish		M03
Russian		L07
Chinese		L08
Japanese		L09

Selection and Ordering data		Order code	Selection and Ordering data	Article No.
Further designs (optional)			Additional Operating Instructions	
Please add "-Z" to Article No. and specify Order code(s).			German	
Enter the total insertion length in plain text description	Y01		4 ... 20 mA/HART - two-wire	PBD:51041025
Enter the total length of rigid part (cable version only) range from 100 ... 1 000 mm	Y02		4 ... 20 mA/HART - two-wire, Coax probe	PBD:51041026
Cleaning included certificate: oil, grease and silicone free	W01		4 ... 20 mA/HART - four-wire	PBD:51041027
Identification Label (measurement loop) stainless steel	Y17		4 ... 20 mA/HART - four-wire, Coax probe	PBD:51041028
Identification Label (measurement loop) Foil	Y18		Modbus	PBD:51041029
3.1-Inspection Certificate for material (EN 10204 NACE MR 0175) ²⁰⁾	D07		Modbus, Coax probe	PBD:51041030
3.1-Inspection Certificate for instrument with test data (EN 10204) ²⁰⁾	C25		PROFIBUS PA	PBD:51041031
(H) 2.2-Factory certificate for material (EN 10204) ²⁰⁾	C15		PROFIBUS PA, Coax probe	PBD:51041032
Quality and test plan ²⁰⁾	C26		Note: Operating instructions should be ordered as a separate line on the order.	
Dye penetration test + 3.1 certificate/instrument ²⁰⁾	C13		This device is shipped with the Siemens Milltronics manual DVD containing the operating instructions library.	
X-ray test + 3.1 certificate/instrument ²⁰⁾	C14		English	
Positive material identification test + 3.1 certificate/instrument ²⁰⁾	C16		4 ... 20 mA/HART - two-wire	PBD:51041062
Roughness test + 3.1 certificate/instrument ²⁰⁾	C18		4 ... 20 mA/HART - two-wire, Coax probe	PBD:51041063
Pressure test + 3.1 certificate/instrument ²⁰⁾	C31		4 ... 20 mA/HART - four-wire	PBD:51041064
Helium leak test + 3.1 certificate/instrument ²⁰⁾	C32		4 ... 20 mA/HART - four-wire, Coax probe	PBD:51041065
Ferrite measuring accuracy to DIN 32514-1 + 3.1 certificate/instrument ²⁰⁾	C60		Modbus	PBD:51041066
Pressure test according to Norsok + 3.1 certificate/instrument ²⁰⁾	C61		Modbus, Coax probe	PBD:51041067
5 point calibration certificate + 3.1 certificate/instrument ^{20/29)}	C62		PROFIBUS PA	PBD:51041068
Certificate : Approval for steam boiler according to EN 12952-11, EN 12953-9	C70		PROFIBUS PA, Coax probe	PBD:51041069
			Note: Operating instructions should be ordered as a separate line on the order.	
			This device is shipped with the Siemens Milltronics manual DVD containing the operating instructions library.	
			French	
			4 ... 20 mA/HART - two-wire	PBD:51041136
			4 ... 20 mA/HART - two-wire, Coax probe	PBD:51041137
			4 ... 20 mA/HART - four-wire	PBD:51041138
			4 ... 20 mA/HART - four-wire, Coax probe	PBD:51041139
			Modbus	PBD:51041140
			Modbus, Coax probe	PBD:51041141
			PROFIBUS PA	PBD:51041142
			PROFIBUS PA, Coax probe	PBD:51041143
			Note: Operating instructions should be ordered as a separate line on the order.	
			This device is shipped with the Siemens Milltronics manual DVD containing the operating instructions library.	
			Spanish	
			4 ... 20 mA/HART - two-wire	PBD:51041099
			4 ... 20 mA/HART - two-wire, Coax probe	PBD:51041100
			4 ... 20 mA/HART - four-wire	PBD:51041101
			4 ... 20 mA/HART - four-wire, Coax probe	PBD:51041102
			Modbus	PBD:51041103
			Modbus, Coax probe	PBD:51041104
			PROFIBUS PA	PBD:51041105
			PROFIBUS PA, Coax probe	PBD:51041105
			Note: Operating instructions should be ordered as a separate line on the order.	
			This device is shipped with the Siemens Milltronics manual DVD containing the operating instructions library.	

Selection and Ordering data	Article No.
<i>Accessories</i>	
SITRANS LG, GWR sensor Display Module	A5E34143449
SITRANS LG, USB communicator	A5E35192015
SITRANS RD100, loop powered display - see Chapter 7	7ML5741-...
SITRANS RD200, universal input display with Modbus conversion - see Chapter 7	7ML5740-...
SITRANS RD300, dual line display with totalizer and linearization curve and Modbus conversion - see Chapter 7	7ML5744-...
SITRANS RD500 web, universal remote monitoring solution for instrumentation - see Chapter 7	7ML5750-...
For applicable back up point level switch - see point level measurement section	

- 1) Available with Housing/Protection/Cable options E, F, Q, R, and T
- 2) Available with Supplementary electronic option A00 and Local display interface options E00, E01
- 3) Available with Supplementary electronics A01
- 4) Available with Centering weight option B00 only
- 5) Available with Centering weight options B01 ... B08 only
- 6) Available with Approval options 0A, 0B, 0J, 0K, 0N, 0R, 0S, 1A, 1C, 1E, 1F, and 1G
- 7) Available only with the same rod, cable and coax diameter in Lengths options
- 8) Available with Version/Material options A, B, C, D, F, G
- 9) Available with Rod Mounted options C01 and C02
- 10) Available with Local display interface options E00 and E01
- 11) Available with Housing/Protection Cable options C, D, L, M only
- 12) Version/Material Hastelloy C22, temperature is limited to 400 °C (752 °F)
- 13) Minimum probe length (Y01) is 1 250 mm (49 inch)
- 14) Available with Housing/Protection Cable options E, F, Q, and R
- 15) Not available with Y02
- 16) Available with Housing protection options C, D, E, F, L, M, Q, and R
- 17) Not available with Housing/Protection/Cable options N, P, and V
- 18) Available with Electronic option 0 only
- 19) Not available with Version/Material options E, F, and G
- 20) Listed Certificates are not available with all configurations, please contact factory for more information
- 21) SIL electronics option 2 available with Approval options 0A, 0E, 0G, 0H, 0N, 0Q, 0R, 0S, 0T, 0U, 1C, 1D, 1F, 1H, 1M, 1N, 1P, and 1R
- 22) Available with Supplementary electronic option A00, SIL electronics
- 23) Available with Approval options 0A, 0H, 0K, 0R, 0S, 0U, 1A, 1C, 1D, 1E, 1F, 1H, 1N, 1P, and 1R
- 24) Available with housings/protection/cable options E, F, L, M and P
- 25) Available with supplementary electronic option A00
- 26) Available with Local display interface options E00, E01
- 27) Not available with Local display interface option E02
- 28) Available with Housing protection options D, F, M, and R
- 29) Available with Version/Material A, B, C, D, and E
- 30) Accuracy is application dependent, please consult factory
- 31) Not available with Supplementary electronic option A01
- 32) Available with Housing/protection options W and Y
- 33) Available with Housing/protection options X and J
- 34) Available with Electronics options 0, 2 and 5

Note: Please consult manual for further details.

Selection and Ordering data	Article No.
SITRANS LG Remote Interface	7ML5840-
Click on the Article No. for the online configuration in the PIA Life Cycle Portal.	Click on the Article No. for the online configuration in the PIA Life Cycle Portal.
Approval	
For Ex-free area ¹⁾	0 A
ATEX II 1G, 2G, Ex ia IIC T6 Ga, Gb ¹⁾	0 C
ATEX II 2G, Ex d IIC T6 Gb	0 E
IEC Ex ia IIC T6 Ga, Gb ¹⁾	0 F
IEC Ex d IIC T6 Gb	0 G
CSA (NI) Class I, Div. 2, Groups A, B, C, D; (DIP) Class II, III, Div. 1, Groups E, F, G ¹⁾	0 H
CSA (IS) Class I, II, III, Div. 1, Groups A, B, C, D, E, F, G ¹⁾	0 J
CSA (XP) Class I, Div. 1, Groups A, B, C, D	0 K
INMETRO Ex ia IIC T6 Ga, Gb ¹⁾	0 L
INMETRO Ex d IIC T6 Gb	0 M
Electronics	
Digital (I ² C communication)	A
Housing	
Plastic ²⁾⁴⁾	0
Aluminum ³⁾⁵⁾	1
Housing protection	
IP66/IP67 NEMA 4X	0
IP66/IP68 NEMA 6P (0.2bar)	1
Cable entry	
M20 x 1.5/ Blind plug	3
½" NPT/ Blind plug	5
Display	
Without	A
Mounted	B
Mounting	
For wall mounting with Aluminum	A
For carrier rail and wall mounting with plastic housing	B
For carrier rail with Aluminum	C
For tube mounting (29 ... 60 mm) including mounting material	D
Certificates	
None	0
3.1 Certificate/Instrument with test data	1
Quality and Test plan	2

¹⁾ Available with Housing option 0 only

²⁾ Available with Housing Protection option 0 only

³⁾ Available with Housing Protection option 1 only

⁴⁾ Available with Mounting Option B only

⁵⁾ Available with Mounting Option A and C only

Selection and Ordering data	Article No.
SITRANS LG Replacement Probes	7ML5841-
Click on the Article No. for the online configuration in the PIA Life Cycle Portal.	Click on the Article No. for the online configuration in the PIA Life Cycle Portal.
Instrument	
LG240 ⁴⁾⁵⁾	0
LG250 ⁶⁾	1
LG260 ⁷⁾	2
LG270 ⁹⁾¹⁰⁾	3
Probe Type	
Exchangeable cable ø 2 mm with gravity weight/316 ¹⁾	AA
Exchangeable cable ø2 mm center weight/316 ²⁾¹¹⁾	AC
Exchangeable cable ø4 mm without weight/316 ¹⁾¹¹⁾	AD
Exchangeable cable ø4 mm with gravity weight/316 ¹⁾¹¹⁾	AE
Exchangeable cable ø4 mm with center weight/316 ²⁾¹¹⁾	AG
Exchangeable cable ø6 mm with gravity weight/316 ¹⁾⁸⁾¹¹⁾	AH
Exchangeable rod ø8 mm/316L ¹⁾	AP
Exchangeable rod ø8 mm/1.4435 (acc. to Basle Standard) ¹⁾	AQ
Exchangeable rod ø12 mm/316L ¹⁾	AU
Exchangeable rod ø16 mm/316L ¹⁾	AW
Process fitting	
Thread to 1 1/2 inch	0
Thread from 2 inch	1
Flange less than DN 50 or 2 inch	2
Flange greater or equal to DN 50 or 2 inch or hygienic fitting (not for safety in gold 25 x 46 mm)	3
Dimension centering weight	
Without	0
ø40 mm/30 mm	1
ø45 mm/30 mm (for 2 inch tubes)	2
ø75 mm/30 mm (for 3 inch tubes)	3
ø95 mm/30 mm (for 4 inch tubes)	4
ø1.57 inch/1.18 inch (for 2 inch Schedule 160)	5
ø1.77 inch/1.18 inch (for 2 inch Schedule 40/80)	6
ø2.95 inch/1.18 inch (for 3 inch Schedule 10/40)	7
ø3.74 inch/1.18 inch (for 4 inch Schedule 80)	8
Certificates	
Without	0
2.2 Material certificate	1
3.1 Material certificate	2
Lengths	
<u>Rod ø8 mm</u>	
300 ... 1 000 mm (11.81 ... 39.37 inch)	AA
1 001 ... 2 000 mm (39.41 ... 78.74 inch)	AB
2 001 ... 3 000 mm (78.78 ... 118.11 inch)	AC
3 001 ... 4 000 mm (118.15 ... 157.48 inch)	AD
4 001 ... 5 000 mm (157.52 ... 196.85 inch)	AE
5 001 ... 6 000 mm (196.89 ... 236.22 inch)	AF

Selection and Ordering data	Article No.	
SITRANS LG Replacement Probes	7ML5841-	
		 0
<u>Rod ø12 mm</u>		
300 ... 1 000 mm (11.81 ... 39.37 inch)	AG	
1 001 ... 2 000 mm (39.41 ... 78.74 inch)	AH	
2 001 ... 3 000 mm (78.78 ... 118.11 inch)	AJ	
3 001 ... 4 000 mm (118.15 ... 157.48 inch)	AK	
4 001 ... 5 000 mm (157.52 ... 196.85 inch)	AL	
5 001 ... 6 000 mm (196.89 ... 236.22 inch)	AM	
<u>Rod ø16 mm</u>		
300 ... 1 000 mm (11.81 ... 39.37 inch)	AN	
1 001 ... 2 000 mm (39.41 ... 78.74 inch)	AP	
2 001 ... 3 000 mm (78.78 ... 118.11 inch)	AQ	
3 001 ... 4 000 mm (118.15 ... 157.48 inch)	AR	
4 001 ... 5 000 mm (157.52 ... 196.85 inch)	AS	
5 001 ... 6 000 mm (196.89 ... 236.22 inch)	AT	
<u>Cable Lengths ø2 mm and 4 mm/316</u>		
501 ... 1 000 mm (19.72 ... 39.37 inch)	AU	
1 001 ... 5 000 mm (39.41 ... 196.85 inch)	AV	
5 000 ... 10 000 mm (196.89 ... 393.70 inch)	AW	
10 001 ... 15 000 mm (393.74 ... 590.55 inch)	AX	
15 001 ... 20 000 mm (590.59 ... 787.40 inch)	AY	
20 001 ... 25 000 mm (787.44 ... 984.25 inch)	BA	
25 001 ... 30 000 mm (984.29 ... 1 181.10 inch)	BB	
30 001 ... 35 000 mm (1 181.14 ... 1 377.95 inch)	BC	
35 001 ... 40 000 mm (1 377.99 ... 1 574.80 inch)	BD	
40 001 ... 45 000 mm (1 574.84 ... 1 771.65 inch)	BE	
45 001 ... 50 000 mm (1 771.69 ... 1 968.50 inch)	BF	
50 001 ... 55 000 mm (1 968.54 ... 2 165.35 inch)	BG	
55 001 ... 60 000 mm (2 165.39 ... 2 362.20 inch)	BH	
60 001 ... 65 000 mm (2 362.24 ... 2 559.06 inch)	BJ	
65 001 ... 70 000 mm (2 559.09 ... 2 755.91 inch)	BK	
70 001 ... 75 000 mm (2 755.94 ... 2 952.76 inch)	BL	

Selection and Ordering data	Article No.	
SITRANS LG Replacement Probes	7ML5841-	
		 0
<u>Cable Lengths ø6 mm/316</u>		
501 ... 1 000 mm (19.72 ... 39.37 inch)	BM	
1 001 ... 5 000 mm (39.41 ... 196.85 inch)	BN	
5 000 ... 10 000 mm (196.89 ... 393.70 inch)	BP	
10 001 ... 15 000 mm (393.74 ... 590.55 inch)	BQ	
15 001 ... 20 000 mm (590.59 ... 787.40 inch)	BR	
20 001 ... 25 000 mm (787.44 ... 984.25 inch)	BS	
25 001 ... 30 000 mm (984.29 ... 1 181.10 inch)	BT	
30 001 ... 35 000 mm (1 181.14 ... 1 377.95 inch)	BU	
35 001 ... 40 000 mm (1 377.99 ... 1 574.80 inch)	BV	
40 001 ... 45 000 mm (1 574.84 ... 1 771.65 inch)	BW	
45 001 ... 50 000 mm (1 771.69 ... 1 968.50 inch)	BX	
50 001 ... 55 000 mm (1 968.54 ... 2 165.35 inch)	BY	
55 001 ... 60 000 mm (2 165.39 ... 2 362.20 inch)	CA	
60 001 ... 65 000 mm (2 362.24 ... 2 559.06 inch)	CB	
65 001 ... 70 000 mm (2 559.09 ... 2 755.91 inch)	CC	
70 001 ... 75 000 mm (2 755.94 ... 2 952.76 inch)	CD	

Selection and Ordering data	Order code
Further designs	
Please add "-Z" to Article No. and specify Order code(s).	
Enter the total insertion length in plain text description	Y01
Total length: Enter the total length of rigid part (range 100 ... 1 000 mm LG270 limited to 100 mm) (cable versions only)	Y02
¹⁾ Available with Dimension centering weight: Without Option 0 ²⁾ Available with Dimension centering weight: Option 1 ... 8 ³⁾ All Probe types are only available with corresponding Probe lengths ⁴⁾ Available with Probe type Option AQ ⁵⁾ Available with Process fitting option 2 and 3 ⁶⁾ Not available with Probe type option AQ and AW ⁷⁾ Available with Probe type option AE, AH, and AW ⁸⁾ Not available with Process fitting option 2 ⁹⁾ Available with Probe type option AA, AC, AE, AG, and AW ¹⁰⁾ Available with Process fitting 0 and 3 ¹¹⁾ Not available with certificate option 1 and 2	