

Selection and ordering data		Article No.	Order Code
SITRANS WFS300 sensing head		7MH7110-	
Out-of-the-process sensing element for 40 t/h (44 STPH) solids flowmeters. A flowguide, sensing plate and integrator are required to complete the system. Order flowguide, sensing plate and integrator separately.			
Click on the Article No. for the online configuration in the PIA Life Cycle Portal.			
Mounting			
Base	0		
Side	1		
Base, explosion proof, CSA/FM Class I, Div.1, Groups C and D; Class II, Div. 1, Groups E, F and G, ATEX II 2D - Ex tb IIIC T70 °C Db IP64, ATEX II 3D, Ex tc IIIB T70 °C Dc IP5X, IECEx FMG 13.0016X, Ex nA IIC T6 Gc, Ex tb IIIC T70 °C Db IP64	3		
Side, explosion proof, CSA/FM Class I, Div. 1 Groups C and D; Class II, Div. 1, Groups E, F, and G, ATEX II 2D - Ex tb IIIC T70 °C Db IP64, ATEX II 3D, Ex tc IIIB T70 °C Dc IP5X, IECEx FMG 13.0016X, Ex nA IIC T6 Gc, Ex tb IIIC T70 °C Db IP64	4		
Note: Externally mounted LVDT Conditioner in NEMA 4 enclosure required for use with SF500 or SIWAREX FTC and mounting option 3 and 4. See optional equipment.			
Range (Range spring size/leaf spring thickness/viscosity of damping fluid)			
C2/A2/1 000	A		
C3/A2/1 000	B		
C4/A2/1 000	C		
C5/A2/1 000	D		
C6/A2/1 000	E		
C7/A2/1 000	F		
C8/A2/3 000	G		
C9/A2/3 000	H		
C10/A2/3 000	J		
C11/A3/5 000	K		
C12/A3/5 000	L		
C13/A3/5 000	M		
C14/A3/5 000	N		
C0/A2/500	P		
C0/A3/500	Q		
C10/A3/3 000	R		
Gasketing			
Silicone	A		
Silicone, light duty	B		
PTFE	E		
Coating (process side only)			
None, standard aluminum	0		
Epoxy - white/aluminum, external castings only	1		
Sensing head mounted LVDT conditioner			
None ¹⁾	0		
Included, required for use with SF500 or SIWAREX FTC integrator ²⁾	1		
		Further designs	
		Please add "-Z" to article no. and specify order code(s).	
		Stainless steel tag [69 x 38 mm (2.7 x 1.5 inch)], Measuring-point number/identification (max. 27 characters), specify in plain text.	Y15
		Application Eng. reference number (max.15 characters), specify in plain text.	Y31
		Manufacturer's test certificate: According to EN 10204-2.2	C11
		Instruction manuals	Article No.
		• English	A5E32880243
		• German	A5E35327994
		• Solids flowmeter Application Guidelines, English	7ML1998-5GK01
		• Solids flowmeter Application Guidelines, German	7ML1998-5GK31
		Note: The instruction manual should be ordered as a separate item on the order.	
		This device is shipped with the Siemens Milltronics manual DVD containing the complete instruction manual library.	
		Calibration hanger weights	
		20 g (0.04 lb)	7MH7724-1AC
		50 g (0.1 lb)	7MH7724-1AD
		100 g (0.2 lb)	7MH7724-1AE
		200 g (0.4 lb)	7MH7724-1AF
		500 g (1.1 lb)	7MH7724-1AG
		1 000 g (2.2 lb)	7MH7724-1AH
		2 000 g (4.4 lb)	7MH7724-1AJ
		5 000 g (11 lb)	7MH7724-1AK
		Note: Calibration accessories should be ordered as a separate item on the order.	

1) For use with Compu Series integrators or when externally mounted LVDT conditioner required.

2) Applicable for mounting options 0 and 1 only.

Selection and ordering data	Article No.
<i>Spare parts</i>	
LDVT conditioner in NEMA 4 enclosure (to interface SF500 or SIWAREX FTC and LVDT sensor)	7MH7723-1AJ
Silicone inner diaphragm	7MH7723-1DN
Silicone outer diaphragm	7MH7723-1DP
PTFE inner diaphragm	7MH7723-1AL
PTFE outer diaphragm	7MH7723-1AM
LVDT transformer and core, standard spare	7MH7723-1DS
Encapsulated LVDT replacement kit	7MH7723-1DE
Damping fluid, 1 000 CS, 1 lb bottle	7MH7723-1EU
Damping fluid, 3 000 CS, 1 lb bottle	7MH7723-1EV
Damping fluid, 5 000 CS, 1 lb bottle	7MH7723-1EW
Range spring assembly, C2	7MH7723-1EX
Range spring assembly, C3	7MH7723-1EY
Range spring assembly, C4	7MH7723-1FA
Range spring assembly, C5	7MH7723-1FB
Range spring assembly, C6	7MH7723-1FC
Range spring assembly, C7	7MH7723-1FD
Range spring assembly, C8	7MH7723-1FE
Range spring assembly, C9	7MH7723-1FF
Range spring assembly, C10	7MH7723-1FG
Range spring assembly, C11	7MH7723-1FH
Range spring assembly, C12	7MH7723-1FJ
Range spring assembly, C13	7MH7723-1FK
Range spring assembly, C14	7MH7723-1FL
Leaf spring, A2, kit	7MH7723-1BN
Leaf spring, A3, kit	7MH7723-1BP
WFS300 calibration wheel kit	7MH7723-1KB
Circuit card, LVDT, conditioner	7MH7723-1ET
WFS300 replacement O-ring kit	7MH7723-1DC

Selection and ordering data	Article No.	Order Code
SITRANS WFS320 sensing head Out-of-the-process sensing element for use with 300 t/h (330 STPH) flowmeters. A flowguide, sensing plate and integrator are required to complete the system. Order flowguide, sensing plate and integrator separately. Click on the Article No. for the online configuration in the PIA Life Cycle Portal.	7MH7112- 	Further designs Please add "-Z" to article no. and specify order code(s). Stainless steel tag [69 x 38 mm (2.7 x 1.5 inch)], Measuring-point number/identification (max. 27 characters), specify in plain text. Application Eng. reference number (max.15 characters), specify in plain text. Manufacturer's test certificate: According to EN 10204-2.2
Classification Non-hazardous Hazardous, CSA/FM Class I, Div.1, Groups C and D; Class II, Div. 1, Groups E, F and G, ATEX II 2D - Ex tb IIIC T70 °C Db IP64, ATEX II 3D, Ex tc IIIB T70 °C Dc IP5X, IECEx FMG 13.0016X, Ex nA IIC T6 Gc, Ex tb IIIC T70 °C Db IP64 Note: Externally mounted LVDT conditioner in NEMA 4 enclosure required for use with SF500 or SIWAREX FTC and classification option 2. See calibration hanger weights.	1 2	Y15 Y31 C11
Range (range spring size/viscosity of damping fluid) D1/1 000 Position 1 D1/1 000 Position 2 D1/1 000 Position 3 D2/1 000 Position 1 D2/1 000 Position 2 D2/1 000 Position 3 D3/3 000 Position 1 D3/3 000 Position 2 D3/3 000 Position 3 D4/5 000 Position 1 D4/5 000 Position 2 D4/5 000 Position 3 D5/5 000 Position 1 D5/5 000 Position 2 D5/5 000 Position 3	A B C D E F G H J K L M N P Q	Article No. A5E32880290 A5E35327995
Gasketing Silicone PTFE Other gasketing available upon request	A D	Calibration hanger weights 20 g (0.04 lb) 50 g (0.1 lb) 100 g (0.2 lb) 200 g (0.4 lb) 500 g (1.1 lb) 1 000 g (2.2 lb) 2 000 g (4.4 lb) 5 000 g (11 lb) Note: Calibration accessories should be ordered as a separate item on the order.
Coating (process side only) None, standard aluminum Epoxy - white/aluminum, external castings only Other coatings available upon request.	0 1	Spare parts LVDT conditioner in NEMA 4 enclosure to interface SF500 and LVDT sensor) Silicone inner diaphragm Silicone outer diaphragm PTFE inner diaphragm PTFE outer diaphragm LVDT transformer and core, standard spare Encapsulated LVDT replacement kit Damping fluid, 1 000 CS, 1 lb bottle Damping fluid, 3 000 CS, 1 lb bottle Damping fluid, 5 000 CS, 1 lb bottle
Sensing head mounted LVDT conditioner None ¹⁾ Included, required for use with SF500 or SIWAREX FTC integrator ²⁾	0 1	Range spring assembly, D1 Range spring assembly, D2 Range spring assembly, D3 Range spring assembly, D4 Range spring assembly, D5 Leaf spring kit, 4 required Circuit card, LVDT, conditioner WFS320 calibration wheel kit WFS320 replacement o-ring kit WFS320 Taper Pin, spare

¹⁾ For use with Compu series integrators or when externally mounted LVDT conditioner required. See Note under Classification.

²⁾ Available with classification option 1 only.