

| Selection and ordering data                                                                                                                                                                                               | Article No.                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| <b>Milltronics SF500</b><br>A full feature, powerful integrator designed for use with solids flowmeters                                                                                                                   | <b>7MH7156-</b><br> |
| <b>Input voltage</b><br>AC voltage<br>DC voltage                                                                                                                                                                          | 2<br>3                                                                                              |
| <b>Auxiliary input/output boards<sup>1)</sup></b><br>None<br>Board with 2 analog inputs and 2 analog outputs                                                                                                              | A<br>B                                                                                              |
| <b>Feature software</b><br>Standard                                                                                                                                                                                       | A                                                                                                   |
| <b>Auxiliary memory</b><br>None                                                                                                                                                                                           | 0                                                                                                   |
| <b>Data communications<sup>2)</sup></b><br>SmartLinx Ready<br>SmartLinx PROFIBUS DP module<br>SmartLinx DeviceNet module<br>SmartLinx ProfiNet module<br>SmartLinx EtherNet I/P module<br>SmartLinx MODBUS TCP I/P module | 0<br>2<br>3<br>4<br>5<br>6                                                                          |
| <b>Enclosures</b><br>Standard enclosure, no entry holes<br>Standard enclosure, 4 entries, for M20 glands                                                                                                                  | 1<br>2                                                                                              |
| <b>Trade approval stickers</b><br>No trade approval sticker<br>Not legal for Canadian and EU trade sticker                                                                                                                | A<br>B                                                                                              |
| <b>Approvals</b><br>CE, CSA <sub>US/IC</sub> , FM, RCM<br>Stainless steel enclosure, 304 (1.4301), [406 x 305 x 152 mm (16 x 12 x 6 inch), Type 4X, IP66 (finished unit is mounted inside enclosure)]                     | A                                                                                                   |

<sup>1)</sup> Required for PID control and online calibration.  
<sup>2)</sup> Required for industrial communications.

| Selection and ordering data                                                                                                                                                         | Order Code                             | Article No.                                                                                                          |
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| <b>Further designs</b>                                                                                                                                                              |                                        |                                                                                                                      |
| Please add <b>"-Z"</b> to article no. and specify order code(s).                                                                                                                    |                                        |                                                                                                                      |
| Stainless steel tag (69 mm x 50 mm),<br>Measuring-point number/identification<br>(max 27 characters), specify in plain text.                                                        | <b>Y15</b>                             | SITRANS RD100 Remote displays -<br>see RD100 on page 2/14                                                            |
| Stainless steel, sun/weather shield<br>357 x 305 x 203 mm (14 x12 x 8 inch) (finished unit<br>is field mounted with enclosure)                                                      | <b>S50</b>                             | SITRANS RD200 Remote displays -<br>see RD200 on page 2/16                                                            |
| Manufacturer's test certificate: According to<br>EN 10204-2.2                                                                                                                       | <b>C11</b>                             | SITRANS RD300 Remote displays -<br>see RD300 on page 2/20                                                            |
| LVDT conditioner card mounted and connected for<br>use with LVDT flowmeters                                                                                                         | <b>G21</b>                             | SITRANS RD500 web, datalogging, alarming, eth-<br>ernet, and modem support for instrumentation - see<br>on page 2/24 |
| Stainless steel enclosure, 304 (1.4301),<br>[406 x 305 x 152 mm (16 x 12 x 6 inch), Type 4X,<br>IP66 (finished unit is mounted inside enclosure)]                                   |                                        | <b>7ML5750-1AA00-0</b>                                                                                               |
| <ul style="list-style-type: none"> <li>• With window</li> <li>• Without window</li> </ul>                                                                                           | <b>A11</b><br><b>A12</b>               | <b>Spare parts</b>                                                                                                   |
| Painted mild steel, [406 x 305 x 152 mm<br>(16 x 12 x 6 inch), Type 4, IP65 (finished unit is<br>mounted inside enclosure)]                                                         |                                        | Display card                                                                                                         |
| <ul style="list-style-type: none"> <li>• With window</li> <li>• Without window</li> </ul>                                                                                           | <b>A13</b><br><b>A14</b><br><b>A15</b> | Lid with overlay and keypad                                                                                          |
| Painted mild steel, anti-vibration enclosure with<br>viewing window 406 x 305 x 203 mm<br>(16 x 12 x 8 inch), Nema/Type 4, IP66 (finished unit<br>is mounted inside enclosure)      |                                        | SF500 motherboard, AC                                                                                                |
| Painted mild steel, heated enclosure with viewing<br>window for use down to -50 °C (-58 °F) (finished<br>unit is mounted inside enclosure) 483 x 584 x 203<br>mm (19 x 23 x 8 inch) | <b>A35</b>                             | SF500, motherboard, DC                                                                                               |
|                                                                                                                                                                                     |                                        | Battery, 3 V, lithium                                                                                                |
|                                                                                                                                                                                     |                                        | Fuse, 2 A, 250 V, BW500, BW500/L, and SF500,<br>spare                                                                |
|                                                                                                                                                                                     |                                        | Keypad spare for BW500, BW500/L, and SF500                                                                           |
|                                                                                                                                                                                     |                                        | LVDT card spare                                                                                                      |
|                                                                                                                                                                                     |                                        | ProfiNet IO module                                                                                                   |
|                                                                                                                                                                                     |                                        | Modbus TCP I/P, EtherNet I/P module                                                                                  |
|                                                                                                                                                                                     |                                        | PROFIBUS DP module                                                                                                   |
|                                                                                                                                                                                     |                                        | DeviceNet module                                                                                                     |
|                                                                                                                                                                                     |                                        | <b>7MH7723-1AF</b>                                                                                                   |
|                                                                                                                                                                                     |                                        | <b>7MH7723-1AG</b>                                                                                                   |
|                                                                                                                                                                                     |                                        | <b>A5E34320776</b>                                                                                                   |
|                                                                                                                                                                                     |                                        | <b>A5E34320778</b>                                                                                                   |
|                                                                                                                                                                                     |                                        | <b>7MH7723-1ES</b>                                                                                                   |
|                                                                                                                                                                                     |                                        | <b>7MH7723-1DG</b>                                                                                                   |
|                                                                                                                                                                                     |                                        | <b>7MH7723-1CD</b>                                                                                                   |
|                                                                                                                                                                                     |                                        | <b>A5E34699664</b>                                                                                                   |
|                                                                                                                                                                                     |                                        | <b>7ML1830-1PM</b>                                                                                                   |
|                                                                                                                                                                                     |                                        | <b>7ML1830-1PN</b>                                                                                                   |
|                                                                                                                                                                                     |                                        | <b>7ML1830-1HR</b>                                                                                                   |
|                                                                                                                                                                                     |                                        | <b>7ML1830-1HT</b>                                                                                                   |
| <b>Instruction manuals</b>                                                                                                                                                          |                                        |                                                                                                                      |
| SF500, English                                                                                                                                                                      | <b>7ML1998-5CN02</b>                   |                                                                                                                      |
| SF500, French                                                                                                                                                                       | <b>7ML1998-5CN11</b>                   |                                                                                                                      |
| SF500, German                                                                                                                                                                       | <b>7ML1998-5CN31</b>                   |                                                                                                                      |
| Note: The instruction manual should be ordered<br>as a separate item on the order.                                                                                                  |                                        |                                                                                                                      |
| <b>Additional instruction manuals</b>                                                                                                                                               |                                        |                                                                                                                      |
| SmartLinx PROFIBUS DP, English                                                                                                                                                      | <b>7ML1998-1AQ03</b>                   |                                                                                                                      |
| SmartLinx PROFIBUS DP, German                                                                                                                                                       | <b>7ML1998-1AQ33</b>                   |                                                                                                                      |
| SmartLinx PROFIBUS DP, French                                                                                                                                                       | <b>7ML1998-1AQ12</b>                   |                                                                                                                      |
| SmartLinx DeviceNet, English                                                                                                                                                        | <b>7ML1998-1BH02</b>                   |                                                                                                                      |
| Note: The appropriate SmartLinx instruction<br>manual should be ordered as a separate line on<br>the order.                                                                         |                                        |                                                                                                                      |
| LVDT Conditioner Card Manual, English                                                                                                                                               | <b>7ML1998-5EF01</b>                   |                                                                                                                      |
| LVDT Conditioner Card Manual, German                                                                                                                                                | <b>7ML1998-5EF31</b>                   |                                                                                                                      |
| This device is shipped with the Siemens Milltronics<br>manual DVD containing the complete instruction<br>manual library.                                                            |                                        |                                                                                                                      |
| <b>Optional equipment</b>                                                                                                                                                           |                                        |                                                                                                                      |
| Auxiliary I/O card spare                                                                                                                                                            | <b>7MH7723-1BJ</b>                     |                                                                                                                      |
| LVDT Conditioners in NEMA 4 enclosure (to<br>interface LVDT belt scale without internal<br>pre-amplifier)                                                                           | <b>7MH7723-1AJ</b>                     |                                                                                                                      |
| Cables to connect BW500/SF500 keypad to moth-<br>erboard                                                                                                                            | <b>7MH7723-1CB</b>                     |                                                                                                                      |