

<p><b>SITRANS WFS300 sensing head</b></p> <p>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.</p> <p>➤ Click on the Article No. for the online configuration in the PIA Life Cycle Portal.</p>	<p><b>7MH7110-</b></p>	<p><b>Further designs</b></p> <p>Please add <b>"-Z"</b> to article no. and specify order code(s).</p> <p>Stainless steel tag [69 x 38 mm (2.7 x 1.5 inch)], Measuring-point number/identification (max. 27 characters), specify in plain text.</p> <p>Application Eng. reference number (max. 15 characters), specify in plain text.</p> <p>Manufacturer's test certificate: According to EN 10204-2.2</p>	<p><b>Y15</b></p> <p><b>Y31</b></p> <p><b>C11</b></p>
<p><b>Mounting</b></p> <p>Base</p> <p>Side</p> <p>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</p> <p>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</p> <p>Note: Externally mounted LVDT Conditioner in NEMA 4 enclosure required for use with SF500 or SIWAREX FTC and mounting options 3 and 4. See optional equipment.</p>	<p><b>0</b></p> <p><b>1</b></p> <p><b>3</b></p> <p><b>4</b></p>	<p><b>Instruction manuals</b></p> <ul style="list-style-type: none"> <li>Solids flowmeter Application Guidelines, English</li> <li>Solids flowmeter Application Guidelines, German</li> </ul> <p>All literature is available to download for free, in a range of languages, at <a href="http://www.siemens.com/weighing/documentation">http://www.siemens.com/weighing/documentation</a></p> <p>This device is shipped with the Siemens Level and Weighing manual DVD containing the complete operating instructions library.</p>	<p>Article No.</p> <p><b>7ML1998-5GK01</b></p> <p><b>7ML1998-5GK31</b></p>
<p><b>Range (Range spring size/leaf spring thickness/viscosity of damping fluid)</b></p> <p>C2/A2/1 000</p> <p>C3/A2/1 000</p> <p>C4/A2/1 000</p> <p>C5/A2/1 000</p> <p>C6/A2/1 000</p> <p>C7/A2/1 000</p> <p>C8/A2/3 000</p> <p>C9/A2/3 000</p> <p>C10/A2/3 000</p> <p>C11/A3/5 000</p> <p>C12/A3/5 000</p> <p>C13/A3/5 000</p> <p>C14/A3/5 000</p> <p>C0/A2/500</p> <p>C0/A3/500</p> <p>C10/A3/3 000</p>	<p><b>A</b></p> <p><b>B</b></p> <p><b>C</b></p> <p><b>D</b></p> <p><b>E</b></p> <p><b>F</b></p> <p><b>G</b></p> <p><b>H</b></p> <p><b>J</b></p> <p><b>K</b></p> <p><b>L</b></p> <p><b>M</b></p> <p><b>N</b></p> <p><b>P</b></p> <p><b>Q</b></p> <p><b>R</b></p>	<p><b>Calibration hanger weights</b></p> <p>20 g (0.04 lb)</p> <p>50 g (0.1 lb)</p> <p>100 g (0.2 lb)</p> <p>200 g (0.4 lb)</p> <p>500 g (1.1 lb)</p> <p>1 000 g (2.2 lb)</p> <p>2 000 g (4.4 lb)</p> <p>5 000 g (11 lb)</p> <p>Note: calibration accessories should be ordered as a separate item on the order.</p>	<p><b>7MH7724-1AC</b></p> <p><b>7MH7724-1AD</b></p> <p><b>7MH7724-1AE</b></p> <p><b>7MH7724-1AF</b></p> <p><b>7MH7724-1AG</b></p> <p><b>7MH7724-1AH</b></p> <p><b>7MH7724-1AJ</b></p> <p><b>7MH7724-1AK</b></p>
<p><b>Gasketing</b></p> <p>Silicone</p> <p>Silicone, light duty</p> <p>PTFE</p>	<p><b>A</b></p> <p><b>B</b></p> <p><b>E</b></p>		
<p><b>Coating (process side only)</b></p> <p>None, standard aluminum</p> <p>Epoxy - white/aluminum, external castings only</p>	<p><b>0</b></p> <p><b>1</b></p>		
<p><b>Sensing head mounted LVDT conditioner</b></p> <p>None<sup>1)</sup></p> <p>Included, required for use with SF500 or SIWAREX FTC integrator<sup>2)</sup></p>	<p><b>0</b></p> <p><b>1</b></p>		

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

<sup>2)</sup> Applicable for mounting options 0 and 1 only.

**Selection and ordering data**

Article No.

*Spare parts*

LDVT conditioner in NEMA 4 enclosure (to interface SF500 or SIWAREX FTC and LVDT sensor)	<b>7MH7723-1AJ</b>
Silicone inner diaphragm	<b>7MH7723-1DN</b>
Silicone outer diaphragm	<b>7MH7723-1DP</b>
PTFE inner diaphragm	<b>7MH7723-1AL</b>
PTFE outer diaphragm	<b>7MH7723-1AM</b>
LVDT transformer and core, standard spare	<b>7MH7723-1DS</b>
Encapsulated LVDT replacement kit	<b>7MH7723-1DE</b>
Damping fluid, 1 000 CS, 1 lb bottle	<b>7MH7723-1EU</b>
Damping fluid, 3 000 CS, 1 lb bottle	<b>7MH7723-1EV</b>
Damping fluid, 5 000 CS, 1 lb bottle	<b>7MH7723-1EW</b>
Range spring assembly, C2	<b>7MH7723-1EX</b>
Range spring assembly, C3	<b>7MH7723-1EY</b>
Range spring assembly, C4	<b>7MH7723-1FA</b>
Range spring assembly, C5	<b>7MH7723-1FB</b>
Range spring assembly, C6	<b>7MH7723-1FC</b>
Range spring assembly, C7	<b>7MH7723-1FD</b>
Range spring assembly, C8	<b>7MH7723-1FE</b>
Range spring assembly, C9	<b>7MH7723-1FF</b>
Range spring assembly, C10	<b>7MH7723-1FG</b>
Range spring assembly, C11	<b>7MH7723-1FH</b>
Range spring assembly, C12	<b>7MH7723-1FJ</b>
Range spring assembly, C13	<b>7MH7723-1FK</b>
Range spring assembly, C14	<b>7MH7723-1FL</b>
Leaf spring, A2, kit	<b>7MH7723-1BN</b>
Leaf spring, A3, kit	<b>7MH7723-1BP</b>
WFS300 calibration wheel kit	<b>7MH7723-1KB</b>
Circuit card, LVDT, conditioner	<b>7MH7723-1ET</b>
WFS300 replacement O-ring kit	<b>7MH7723-1DC</b>

**SITRANS WFS320 sensing head**

**7MH7112-**

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.

**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.

**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

**Gasketing**

- Silicone
- PTFE
- Other gasketing available upon request

**Coating (process side only)**

- None, standard aluminum
- Epoxy - white/aluminum, external castings only
- Other coatings available upon request.

**Sensing head mounted LVDT conditioner**

- None<sup>1)</sup>
- Included, required for use with SF500 or SIWAREX FTC integrator<sup>2)</sup>



1  
2  
  
A  
B  
C  
D  
E  
F  
G  
H  
J  
K  
L  
M  
N  
P  
Q  
  
A  
D  
  
0  
1  
  
0  
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.

Application Eng. reference number (max.15 characters), specify in plain text.

Manufacturer's test certificate: According to EN 10204-2.2

**Instruction manual**

All literature is available to download for free, in a range of languages, at <http://www.siemens.com/weighing/documentation>

This device is shipped with the Siemens Level and Weighing manual.DVD containing the complete operating instructions library.

**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.

**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

Range spring assembly, D1

Range spring assembly, D2

Range spring assembly, D3

Range spring assembly, D4

Range spring assembly, D5

Leaf spring kit

Circuit card, LVDT, conditioner

WFS320 calibration wheel kit

WFS320 replacement o-ring kit

WFS320 Taper Pin, spare

**Y15**

**Y31**

**C11**

Article No.

**7MH7724-1AC**  
**7MH7724-1AD**  
**7MH7724-1AE**  
**7MH7724-1AF**  
**7MH7724-1AG**  
**7MH7724-1AH**  
**7MH7724-1AJ**  
**7MH7724-1AK**

**7MH7723-1AJ**  
**7MH7723-1DQ**  
**7MH7723-1DR**  
**7MH7723-1BA**  
**7MH7723-1BB**  
**7MH7723-1DS**  
**7MH7723-1DE**  
**7MH7723-1EU**  
**7MH7723-1EV**  
**7MH7723-1EW**  
**7MH7723-1FM**  
**7MH7723-1FN**  
**7MH7723-1FP**  
**7MH7723-1FQ**  
**7MH7723-1GJ**  
**7MH7723-1BQ**  
**7MH7723-1ET**  
**7MH7723-1KA**  
**7MH7723-1DD**  
**7MH7723-1GD**

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

<sup>2)</sup> Available with classification option 1 only.