

**Selection and Ordering data**
**SITRANS LR460**

4-wire, 24 GHz FMCW radar level transmitter with extremely high signal-to-noise ratio and advanced signal processing for continuous monitoring of solids up to 100 m (328 ft). It is ideal for measurement in extreme dust.

**Order handheld programmer separately**

➤ Click on the Article No. for the online configuration in the PIA Life Cycle Portal.

**Process connection**

Universal, flat faced, 0.5 bar g (7.25 psi g) maximum with integral Easy Aimer ball

3 inch (80 mm)

4 inch (100 mm)

6 inch (150 mm)

**Antenna**

3" horn antenna, fits 80 mm (3 inch) nozzles

3" horn antenna, fits 80 mm (3 inch) nozzles with 100 mm extension

3" horn antenna, fits 80 mm (3 inch) nozzles with 200 mm extension

3" horn antenna, fits 80 mm (3 inch) nozzles with 500 mm extension<sup>1)</sup>

3" horn antenna, fits 80 mm (3 inch) nozzles with 1 000 mm extension<sup>1)</sup>

4" horn antenna, fits 100 mm (4 inch) nozzles

4" horn antenna, fits 100 mm (4 inch) nozzles with 100 mm extension

4" horn antenna, fits 100 mm (4 inch) nozzles with 200 mm extension

4" horn antenna, fits 100 mm (4 inch) nozzles with 500 mm extension<sup>1)</sup>

4" horn antenna, fits 100 mm (4 inch) nozzles with 1 000 mm extension<sup>1)</sup>

**Purge (self-cleaning) connection**

No purge connection

Purge connection

**Output/Communication**

4 ... 20 mA, HART

PROFIBUS PA

**Power supply/cable inlet**

100 ... 230 V AC

• 2 x M20 x 1.5

• 2 x 1/2" NPT

24 V DC

• 2 x M20 x 1.5

• 2 x 1/2" NPT

**Approvals**

General Purpose, CSA<sub>US/IC</sub>, Industry Canada, FM, FCC, CE and R&TTE, RCM

CSA/FM Class II, Div. 1, Groups E, F, and G, Class III

ATEX II 1/2 D T6, CE, R&TTE

**Article No.**
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**Selection and Ordering data**
**Further designs**

Please add **"-Z"** to Article No. and specify Order code(s).

Stainless steel tag [69 x 50 mm (2.71 x 1.97 inch)]:  
Measuring-point number/identification  
(max. 27 characters); specify in plain text

Manufacturer's test certificate: M to DIN 55350,  
Part 18 and to ISO 9000

**Operating Instructions**

English

German

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

This device is shipped with the Siemens Level and Weighing manual DVD containing the ATEX Quick Start and Operating Instructions library.

**Accessories**

Handheld programmer, Infra-red, Intrinsically Safe, EEx ia

Dust cap, PTFE, for 3 inch/80 mm horn

Dust cap, PTFE, for 4 inch/100 mm horn

HART modem/USB  
(for use with a PC and SIMATIC PDM)

One metallic cable gland M20 x 1.5,  
rated -40 ... +80 °C (-40 ... +176 °F), HART<sup>1)</sup>

One metallic cable gland M20 x 1.5,  
rated -40 ... +80 °C (-40 ... +176 °F), PROFIBUS PA<sup>1)</sup>

SITRANS RD100, loop powered display -  
see Chapter 7

SITRANS RD200, universal input display with  
Modbus conversion - see Chapter 7

SITRANS RD300, dual line display with totalizer  
and linearization curve and Modbus conversion -  
see Chapter 7

SITRANS RD500 web, universal remote monitoring  
solution for instrumentation - see Chapter 7

For applicable back up point level switch -  
see point level measurement section

<sup>1)</sup> Product shipped with plastic cable gland, rated to -20 °C.  
If -40 °C rating required, then metallic cable gland is recommended.

**Order code**
**Y15**
**C11**

Article No.

**7ML1998-5JM02**
**7ML1998-5JM32**
**7ML5830-2AJ**
**7ML1930-1BL**
**7ML1930-1BM**
**7MF4997-1DB**
**7ML1930-1AP**
**7ML1930-1AQ**
**7ML5741-...**
**7ML5740-...**
**7ML5744-...**
**7ML5750-...**

<sup>1)</sup> Available with Purge option 0 only