Level Measurement
Continuous level measurement – Radar transmitters

SITRANS LR460

Selection and Ordering data	Article No.
SITRANS LR460	**7ML5426-**
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.	0 ▢▢▢ 0 - ▢▢▢ 0
Order handheld programmer separately	
Process connection	
Universal, flat faced, 0.5 bar g (7.25 psi g) maximum with integral Easy Aimer ball	
3 inch (80 mm)	A
4 inch (100 mm)	B
6 inch (150 mm)	C
Antenna	
3" horn antenna, fits 80 mm (3 inch) nozzles	A
3" horn antenna, fits 80 mm (3 inch) nozzles with 100 mm extension	B
3" horn antenna, fits 80 mm (3 inch) nozzles with 200 mm extension	C
3" horn antenna, fits 80 mm (3 inch) nozzles with 500 mm extension[1]	D
3" horn antenna, fits 80 mm (3 inch) nozzles with 1 000 mm extension[1]	E
4" horn antenna, fits 100 mm (4 inch) nozzles	F
4" horn antenna, fits 100 mm (4 inch) nozzles with 100 mm extension	G
4" horn antenna, fits 100 mm (4 inch) nozzles with 200 mm extension	H
4" horn antenna, fits 100 mm (4 inch) nozzles with 500 mm extension[1]	J
4" horn antenna, fits 100 mm (4 inch) nozzles with 1 000 mm extension[1]	K
Purge (self-cleaning) connection	
No purge connection	0
Purge connection	1
Output/Communication	
4 ... 20 mA, HART	0
PROFIBUS PA	1
Power supply/cable inlet	
100 ... 230 V AC	
• 2 x M20x1.5	A
• 2 x ½" NPT	B
24 V DC	
• 2 x M20x1.5	C
• 2 x ½" NPT	D
Approvals	
General Purpose, CSAus/c, Industry Canada, FM, FCC, CE and R&TTE, C-TICK	A
CSA/FM Class II, Div. 1, Groups E, F, and G, Class III	B
ATEX II 1/2 D T6, CE, R&TTE	C

[1] Available with Purge option 0 only

Selection and Ordering data	Order code
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	**Y15**
Manufacturer's test certificate: M to DIN 55350, Part 18 and to ISO 9000	**C11**
Operating Instructions	Article No.
English	**7ML1998-5JM02**
French	**7ML1998-5JM11**
German	**7ML1998-5JM32**
Multi-language Quick Start manual This device is shipped with the Siemens Milltronics manual DVD containing the ATEX Quick Start and Operating Instructions library.	**A5E32007360**
Accessories	
Handheld programmer, Infra-red, Intrinsically Safe, EEx ia	**7ML5830-2AJ**
Dust cap, PTFE, for 3 inch/80 mm horn	**7ML1930-1BL**
Dust cap, PTFE, for 4 inch/100 mm horn	**7ML1930-1BM**
HART modem/RS 232 (for use with a PC and SIMATIC PDM)	**7MF4997-1DA**
HART modem/USB (for use with a PC and SIMATIC PDM)	**7MF4997-1DB**
One metallic cable gland M20x1.5, rated -40 ... +80 °C (-40 ... +176 °F), HART[1]	**7ML1930-1AP**
One metallic cable gland M20x1.5, rated -40 ... +80 °C (-40 ... +176 °F), PROFIBUS PA[1]	**7ML1930-1AQ**
SITRANS RD100 Remote display - see Chapter 7	
SITRANS RD200 Remote display - see Chapter 7	
SITRANS RD500 web, datalogging, alarming, ethernet, and modem support for instrumentation - see Chapter 7	**7ML5750-1AA00-0**

[1] Product shipped with plastic cable gland, rated to -20 °C. If -40 °C rating required, then metallic cable gland is recommended.