

Selection and Ordering data	Article No.
SITRANS LR560	7ML5440-
2-wire, 78 GHz FMCW radar level transmitter for continuous monitoring of solids and liquids to a range of 100 m (329 ft).	0 0 -
Order handheld programmer separately	
Click on the Article No. for the online configuration in the PIA Life Cycle Portal.	
Measurement and process temperature range	
40 m (131 ft) max range, -40 ... +100 °C	0
100 m (329 ft) max range, -40 ... +200 °C	1
Process connection	
<u>Universal flat-faced flange fits ANSI/DIN/JIS flanges</u>	
80 mm/3 inch, 304 stainless steel	A
100 mm/4 inch, 304 stainless steel	B
150 mm/6 inch, 304 stainless steel	C
80 mm/3 inch, 316L stainless steel	D
100 mm/4 inch, 316L stainless steel	E
150 mm/6 inch, 316L stainless steel	F
80 mm/3 inch, painted aluminum, with integral aimer ¹⁾	G
100 mm/4 inch, painted aluminum, with integral aimer ¹⁾	H
150 mm/6 inch, painted aluminum, with integral aimer ¹⁾	J
<u>Universal stamped flange fits ANSI/DIN/JIS flanges</u>	
80 mm/3 inch, 304 stainless steel ²⁾	K
100 mm/4 inch, 304 stainless steel ²⁾	L
150 mm/6 inch, 304 stainless steel ²⁾	M
Enclosure (with cable inlet)	
Stainless steel, 1 X ½" NPT	A
Stainless steel, 1 X M20 x 1.5 (plastic gland included)	B
Pressure rating	
0.5 bar g (7.5 psi g) maximum	0
3 bar g (40 psi g) maximum	1
Output/communication	
4 ... 20 mA, HART	A
PROFIBUS PA	B
FOUNDATION Fieldbus	C
Approvals	
General Purpose, FM, CSA _{US/IC} , Industry Canada, FCC, CE, R&TTE, RCM	A
CSA/FM Class I, Div. 2, Groups A, B, C, D, Class II, Div. 1, Groups E, F, G, Class III, Industry Canada, FCC	B
ATEX II 3G Ex nA/nL, 1D, 1/2D, 2D Ex ta, INMETRO CE, R&TTE, RCM	C
Local display interface	
Without	1
With	2

¹⁾ Rated to 120 °C max. when used with Pressure rating option 1

²⁾ Available with Pressure Rating option 0 only

• We can offer shorter delivery times for configurations designated with the Quick Ship Symbol •. For details see page 9/5 in the appendix

Selection and Ordering data	Order code
Further designs	
Please add "-Z" to Article No. and specify Order code(s).	
Plug M12 with mating connector ¹⁾²⁾³⁾	• A50
Plug 7/8" with mating connector ¹⁾³⁾⁷⁾	• A55
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
Inspection Certificate Type 3.1 per EN 10204 ⁴⁾	• C12
NAMUR NE43 compliant, device preset to failsafe < 3.6 mA ⁵⁾	• N07
Operating Instructions for HART device	Article No.
English	A5E34647946
German	A5E36852429
Note: The Operating Instructions should be ordered as a separate line item on the order.	
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.	
Operating Instructions for PROFIBUS PA device	
English	A5E34648471
German	A5E36852435
Note: The Operating Instructions should be ordered as a separate line item on the order.	
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.	
Operating Instructions for FOUNDATION Fieldbus device	
English	A5E34648692
German	A5E36852443
Note: The Operating Instructions should be ordered as a separate line item on the order.	
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

Hand Programmer, Intrinsically safe	7ML1930-1BK
Local display interface	7ML1930-1FJ
Sun Shield Cover, 304 stainless steel	7ML1930-1FK
Housing lid with window	7ML1930-1FL
One metallic cable gland M20 x 1.5, rated -40 ... +80 °C (-40 ... +176 °F), HART ⁶⁾	7ML1930-1AP
One metallic cable gland M20 x 1.5, rated -40 ... +80 °C (-40 ... +176 °F), PROFIBUS PA ⁶⁾	7ML1930-1AQ
SITRANS RD100, loop powered display - see Chapter 7	7ML5741-...
SITRANS RD200, universal input display with Modbus conversion - see Chapter 7	7ML5740-...
SITRANS RD300, dual line display with totalizer and linearization curve and Modbus conversion - see Chapter 7	7ML5744-...
SITRANS RD500 web, universal remote monitoring solution for instrumentation - see Chapter 7	7ML5750-...
For applicable back up point level switch - see point level measurement section	

- 1) Available with Approval option A only
- 2) Available with Enclosure option B only
- 3) Available with Output/communication options B and C only
- 4) Available with Pressure rating option 1 only
- 5) Available with Output/communication option A only
- 6) Product shipped with plastic cable gland, rated to -20 °C. If -40 °C rating required, then metallic cable gland is recommended
- 7) Only available with enclosure option A (NPT thread)

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