Selection and Ordering data		Article No.
SITRANS LR250 flanged encapsulated antenna ↗ 2-wire, 25 GHz pulse radar level transmitter for continuous monitoring of liquids and slurries in storage and process vessels including high temperature and pressure, to a range of 20 m (66 ft) (antenna dependant). Ideal for corrosive, aggressive and low dielectric media. ↗ Click on the Article No. for the online configuration in the PIA Life Cycle Portal.		**7ML5432-** **0** **-**
Process Connection Material		
Stainless steel 1.4404/1.4435		**0**
Process Connection Type		
Flanged Process Connection Types (stainless steel 1.4404/1.4435)		
2" Class 150 ASME B16.5 raised face[1)]	⬟	**B F**
3" Class 150 ASME B16.5 raised face	⬟	**B G**
4" Class 150 ASME B16.5 raised face	⬟	**B H**
6" Class 150 ASME B16.5 raised face		**B J**
50A 10K JIS B 2220 raised face[1)]		**F D**
80A 10K JIS B 2220 raised face		**F E**
100A 10K JIS B 2220 raised face		**F F**
150A 10K JIS B 2220 raised face		**F G**
DN 50 PN 10/16 EN 1092-1 type B1 raised face[1)]	⬟	**G A**
DN 80 PN 10/16 EN 1092-1 type B1 raised face	⬟	**G B**
DN 100 PN 10/16 EN 1092-1 type B1 raised face	⬟	**G C**
DN 150 PN 10/16 EN 1092-1 type B1 raised face		**G D**
Communication/Output		
PROFIBUS PA	⬟	**1**
4 ... 20 mA, HART, start-up at < 3.6 mA	⬟	**2**
FOUNDATION Fieldbus	⬟	**3**
Enclosure/Cable inlet		
Aluminum, Epoxy painted		
2 x ½" NPT	⬟	**0**
2 x M20 x 1.5	⬟	**1**
Antenna lens material		
TFM 1600 PTFE Flush Lens	⬟	**A**
Approvals		
General Purpose, CE, CSA, FM, FCC, R&TTE, RCM	⬟	**A**
Intrinsically Safe: CSA/FM Class I, Div. 1, Groups A, B, C, D, Class II, Div. 1, Groups E, F, G, Class III T4 FCC, Industry Canada	⬟	**B**
Intrinsically Safe: IECEx/ATEX II 1 G Ex ia IIC T4 Ga, IECEx/ATEX II 1D Ex ia ta IIIC T100 °C Da, INMETRO Ex ia IIC T4 Ga, Ex ia ta IIIC T100 °C Da, CE, R&TTE, RCM	⬟	**C**
Non-incendive: CSA/FM Class I, Div. 2, Groups A, B, C, D T5, FCC, Industry Canada	⬟	**D**
Non Sparking: ATEX II 3G Ex nA IIC T4 Gc, CE, R&TTE, RCM	⬟	**E**
Increased Safety: IECEx/ATEX II 1/2 GD,1D, 2D Ex e mb ia IIC T4 Ga/Gb, Ex ia ta IIIC T100 °C Da, INMETRO Ex e ia mb IIC T4 Ga/Gb, Ex ia ta IIIC T100 °C Da, CE, R&TTE, RCM[2)]	⬟	**F**
Flameproof: IECEx/ATEX II 1/2 GD 1D, 2D Ex d mb ia IIC T4 Ga/Gb, Ex ia ta IIIC T100 °C Da, INMETRO Ex d ia mb IIC T4 Ga/Gb, Ex ia ta IIIC T100 °C Da, CE, R&TTE, RCM[2)]	⬟	**G**
Explosion proof: CSA/FM Class I, II and III, Div. 1, Groups A, B, C, D, E, F, G, FCC, Industry Canada[2)]	⬟	**H**
Non Sparking: NEPSI Ex nA IIC T4 Gc	⬟	**K**
Intrinsically Safe: NEPSI Ex ia IIC T4 Ga, Ex iaD tD A20 IP67 T100 °C	⬟	**L**
Flameproof: NEPSI Ex d ia mb IIC T4 Ga/Gb, Ex iaD tD A20 IP67 T100 °C[2)]	⬟	**M**
Increased Safety: NEPSI Ex e ia mb IIC T4 Ga/Gb, Ex iaD tD A20 IP67 T100 °C[2)]	⬟	**N**
Pressure rating		
Rating per Pressure/Temperature curves in instruction manual	⬟	**0**

1) Maximum range 10 m (32.8 ft), dk > 3 [20 m (66 ft)] and dk > 1.6 when mounted in stillpipe]

2) Applicable with communication option 2 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[2)3)4)]	⬟	**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	⬟	**C12**
Functional Safety (SIL 2). Device suitable for use in accordance with IEC 61508 and IEC 61511[5)6)]	⬟	**C20**
Namur NE43 compliant, device preset to failsafe < 3.6 mA[5)]	⬟	**N07**
Compact Operating Instructions for HART/mA device		Article No
English, French, German, Spanish, Italian, Dutch, Danish, Finnish, Greek, Portuguese (Portugal), Swedish		**A5E33469191**
English, Bulgarian, Czech, Estonian, Hungarian, Latvian, Lithuanian, Polish, Romanian, Slovakian, Slovenian		**A5E33469171**
English, Portuguese (Brazil), Chinese		**A5E34046583**
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 Compact Operating Instructions and Operating Instructions library.		
Compact Operating Instructions for PROFIBUS PA device		
English, French, German, Spanish, Italian, Dutch, Danish, Finnish, Greek, Portuguese (Portugal), Swedish		**A5E33469239**
English, Bulgarian, Czech, Estonian, Hungarian, Latvian, Lithuanian, Polish, Romanian, Slovakian, Slovenian		**A5E33472685**
English, Portuguese (Brazil), Chinese		**A5E34046624**
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 Compact Operating Instructions and Operating Instructions library.		

Selection and Ordering data	Article No.
Compact Operating Instructions for FOUNDATION Fieldbus device	
English, French, German, Spanish, Italian, Dutch, Danish, Finnish, Greek, Portuguese (Portugal), Swedish	**A5E33472700**
English, Bulgarian, Czech, Estonian, Hungarian, Latvian, Lithuanian, Polish, Romanian, Slovakian, Slovenian	**A5E33472738**
English, Portuguese (Brazil), Chinese	**A5E34046626**
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 Compact Operating Instructions and Operating Instructions library.	
Accessories	
Handheld programmer, Intrinsically safe, EEx ia	**7ML1930-1BK**
HART modem/USB (for use with a PC and SIMATIC PDM)	**7MF4997-1DB**
One metallic cable gland M20 x 1.5, rated -40 ... +80 °C (-40 ... +176 °F), HART (2 are required)[6)]	**7ML1930-1AP**
One metallic cable gland M20 x 1.5, rated -40 ... +80 °C (-40 ... +176 °F), PROFIBUS PA and FOUNDATION Fieldbus (2 are required)[2)]	**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 enclosure option 1 only
2) Available with communication options 1 and 3 only
3) Available with approval options A, B, C, and L only
4) Available with enclosure option 0 only
5) Applicable with communication option 2 only
6) Available with approval options A, B, C, D, E, K, and L 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

SITRANS LR250 flanged encapsulated Specials	Article No.
SITRANS LR250 flanged encapsulated antenna version enclosures (PROFIBUS PA models)	
SITRANS LR250 flanged encapsulated antenna version (7ML5432) enclosure with board stack, M20 cable inlet, approval option A, with PROFIBUS PA communication, no process connection	**A5E32462853**
SITRANS LR250 flanged encapsulated antenna version (7ML5432) enclosure with board stack, NPT cable inlet, approval option A, with PROFIBUS PA communication, no process connection	**A5E32462854**
SITRANS LR250 flanged encapsulated antenna version (7ML5432) enclosure with board stack, NPT cable inlet, approval option B, with PROFIBUS PA communication, no process connection	**A5E32462855**
SITRANS LR250 flanged encapsulated antenna version (7ML5432) enclosure with board stack, M20 cable inlet, approval option C, with PROFIBUS PA communication, no process connection	**A5E32462856**
SITRANS LR250 flanged encapsulated antenna version (7ML5432) enclosure with board stack, NPT cable inlet, approval option D, with PROFIBUS PA communication, no process connection	**A5E32462857**
SITRANS LR250 flanged encapsulated antenna version (7ML5432) enclosure with board stack, M20 cable inlet, approval option E, with PROFIBUS PA communication, no process connection	**A5E32462858**
SITRANS LR250 flanged encapsulated antenna version enclosures (FOUNDATION Fieldbus models)	
SITRANS LR250 flanged encapsulated antenna version (7ML5432) enclosure with board stack, M20 cable inlet, approval option A, with FOUNDATION Fieldbus communication, no process connection	**A5E32462859**
SITRANS LR250 flanged encapsulated antenna version (7ML5432) enclosure with board stack, NPT cable inlet, approval option A, with FOUNDATION Fieldbus communication, no process connection	**A5E32462860**
SITRANS LR250 flanged encapsulated antenna version (7ML5432) enclosure with board stack, NPT cable inlet, approval option B, with FOUNDATION Fieldbus communication, no process connection	**A5E32462861**
SITRANS LR250 flanged encapsulated antenna version (7ML5432) enclosure with board stack, M20 cable inlet, approval option C, with FOUNDATION Fieldbus communication, no process connection	**A5E32462862**
SITRANS LR250 flanged encapsulated antenna version (7ML5432) enclosure with board stack, NPT cable inlet, approval option D, with FOUNDATION Fieldbus communication, no process connection	**A5E32462863**
SITRANS LR250 flanged encapsulated antenna version (7ML5432) enclosure with board stack, M20 cable inlet, approval option E, with FOUNDATION Fieldbus communication, no process connection	**A5E32462864**
SITRANS LR250 flanged encapsulated antenna version enclosures (< 3.6 mA start-up HART models)	
SITRANS LR250 flanged encapsulated antenna version (7ML5432) enclosure with board stack, M20 cable inlet, approval option A, with HART communication start-up at < 3.6 mA, no process connection	**A5E32462865**

SITRANS LR250 flanged encapsulated Specials	Article No.
SITRANS LR250 flanged encapsulated antenna version (7ML5432) enclosure with board stack, NPT cable inlet, approval option A, with HART communication start-up at < 3.6 mA, no process connection	**A5E32462866**
SITRANS LR250 flanged encapsulated antenna version (7ML5432) enclosure with board stack, NPT cable inlet, approval option B, with HART communication start-up at < 3.6 mA, no process connection	**A5E32462867**
SITRANS LR250 flanged encapsulated antenna version (7ML5432) enclosure with board stack, M20 cable inlet, approval option C, with HART communication start-up at < 3.6 mA, no process connection	**A5E32462868**
SITRANS LR250 flanged encapsulated antenna version (7ML5432) enclosure with board stack, NPT cable inlet, approval option D, with HART communication start-up at < 3.6 mA, no process connection	**A5E32462869**
SITRANS LR250 flanged encapsulated antenna version (7ML5432) enclosure with board stack, M20 cable inlet, approval option E, with HART communication start-up at < 3.6 mA, no process connection	**A5E32462830**
SITRANS LR250 flanged encapsulated antenna version (7ML5432) enclosure with board stack, M20 cable inlet, approval option F, with HART communication start-up at < 3.6 mA, no process connection	**A5E32462831**
SITRANS LR250 flanged encapsulated antenna version (7ML5432) enclosure with board stack, M20 cable inlet, approval option G, with HART communication start-up at < 3.6 mA, no process connection	**A5E32462832**
SITRANS LR250 flanged encapsulated antenna version (7ML5432) enclosure with board stack, NPT cable inlet, approval option H, with HART communication start-up at < 3.6 mA, no process connection	**A5E32462833**
SITRANS LR250 flanged encapsulated antenna lens kits	
Replacement TFM 1600 Lens and Spring Washer Kit for 2" Class 150 ASME B16.5 raised face	**A5E32462817**
Replacement TFM 1600 Lens and Spring Washer Kit for 3" Class 150 ASME B16.5 raised face	**A5E32462819**
Replacement TFM 1600 Lens and Spring Washer Kit for 4" Class 150 ASME B16.5 raised face	**A5E32462820**
Replacement TFM 1600 Lens and Spring Washer Kit for 6" Class 150 ASME B16.5 raised face	**A5E32462821**
Replacement TFM 1600 Lens and Spring Washer Kit for 50A 10K JIS B 2220 raised face	**A5E32462822**
Replacement TFM 1600 Lens and Spring Washer Kit for 80A 10K JIS B 2220 raised face	**A5E32462823**
Replacement TFM 1600 Lens and Spring Washer Kit for 100A 10K JIS B 2220 raised face	**A5E32462824**
Replacement TFM 1600 Lens and Spring Washer Kit for 150A 10K JIS B 2220 raised face	**A5E32462825**
Replacement TFM 1600 Lens and Spring Washer Kit for DN 50 PN 10/16 EN 1092-1 type B1 raised face	**A5E32462826**
Replacement TFM 1600 Lens and Spring Washer Kit for DN 80 PN 10/16 EN 1092-1 type B1 raised face	**A5E32462827**
Replacement TFM 1600 Lens and Spring Washer Kit for DN 100 PN 10/16 EN 1092-1 type B1 raised face	**A5E32462828**
Replacement TFM 1600 Lens and Spring Washer Kit for DN 150 PN 10/16 EN 1092-1 type B1 raised face	**A5E32462829**