SITRANS LR200

Selection and Ordering data	Article No.
SITRANS LR200, Uni-Construction polypropylene rod antenna version	7ML5422-
2-wire, 6 GHz pulse radar level transmitter for continuous monitoring of liquids and slurries in process vessels including high temperature and pressure, to a range of 20 m (66 ft).	■■■■ 0
Max. 3 bar g (43.5 psi g) pressure and 80 °C (176 °F)	
Enclosure/Cable inlet Aluminum, epoxy painted 2 x ½" NPT 2 x M20x1.5	2 3
Polypropylene antenna type - (Max. 3 Bar pressure and 80 °C)	
1½" NPT [(Taper), ANSI/ASME B1.20.1], c/w integral 100 mm shield	A
R 1½" [(BSPT), EN 10226], c/w integral 100 mm shield	B
G 1½" [(BSPP), EN ISO 228-1], c/w integral 100 mm shield	C
1½" NPT [(Taper), ANSI/ASME B1.20.1], c/w integral 250 mm shield	D
R 1½" [(BSPT), EN 10226], c/w integral 250 mm shield	E
G 1½" [(BSPP), EN ISO 228-1], c/w integral 250 mm shield	F
Approvals	
General Purpose, CE, R&TTE, C-TICK	A
General Purpose, CSA, FM, Industry Canada, FCC	B
Intrinsically Safe, CSA Class I, II, Div. 1, Groups A, B, C, D, E, F, G, Industry Canada	C
Intrinsically Safe, FM Class I, II, Div. 1, Groups A, B, C, D, E, F, G, FCC	D
Intrinsically Safe, IECEx/ATEX II 1G Ex ia IIC T4, INMETRO Ex ia IIC T4, CE, R&TTE, C-TICK; GOST-R	E
Non incendive, FM Class I, Div. 2, Groups A, B, C, D, FCC[1]	F
Increased Safety, ATEX II 1/2G Ex e mb ia IIC T4 Ga/Gb, CE, R&TTE, C-TICK; GOST-R[2)3)]	G
Flame Proof, ATEX II 1/2G Ex d mb ia IIC T4 Ga/Gb, CE, R&TTE, C-TICK; GOST-R[3]	H
Explosion Proof, CSA/FM Class I, II, III, Groups A, B, C, D, E, F, G, Industry Canada, FCC[1)3)]	J
Communication/Output	
PROFIBUS PA	2
4 ... 20 mA, HART, startup at < 3.6 mA	3

[1] Available with enclosure option 2 only
[2] Available with enclosure option 3 only
[3] Available with communication option 3 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**
Namur NE43 compliant, device preset to failsafe < 3.6 mA[1]	**N07**
Operating Instructions for HART/mA device	Article No.
English	**7ML1998-5JP02**
German	**7ML1998-5JP32**
Note: The Operating Instructions should be ordered as a separate line item on the order.	
Multi-language Quick Start manual This device is shipped with the Siemens Milltronics manual DVD containing the ATEX Quick Start and Operating Instructions library.	**A5E31993614**
Operating Instructions for PROFIBUS PA device	
English	**7ML1998-5JR02**
German	**7ML1998-5JR32**
Note: The Operating Instructions should be ordered as a separate line item on the order.	
Multi-language Quick Start manual This device is shipped with the Siemens Milltronics manual DVD containing the ATEX Quick Start and Operating Instructions library.	**A5E32153438**
Accessories	
Handheld programmer, Intrinsically safe, EEx ia	**7ML1930-1BK**
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[2]	**7ML1930-1AP**
One metallic cable gland M20x1.5, rated -40 ... +80 °C (-40 ... +176 °F), PROFIBUS PA[2]	**7ML1930-1AQ**
One general purpose polymeric cable gland M20x1.5, rated -20 ... + 80 °C (-40 ... +176 °F)	**7ML1930-1AM**
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**
For applicable back up point level switch - see point level section on page 4/9	

[1] Available with communication option 3 only
[2] Product shipped with plastic cable gland, rated to -20 °C. If -40 °C rating required, then metallic cable gland is recommended.

4

Selection and Ordering data	Article No.
SITRANS LR200, Flange Adapter/PTFE Rod Antenna Version	**7ML5423-**
2-wire, 6 GHz pulse radar level transmitter for continuous monitoring of liquids and slurries in process vessels including high temperature and pressure, to a range of 20 m (66 ft).	■■■■■-■■■■

Antenna material (uses antenna adapter)	
PTFE, uses antenna adapter and additional process connection below	1

Process connection (refer to Pressure/Temperature curves, page 4/212)	
Flanges (316L stainless steel)	
DN 50 PN 16, Type A, flat faced	A A
DN 80 PN 16, Type A, flat faced	B A
DN 100 PN 16, Type A, flat faced	C A
DN 150 PN 16, Type A, flat faced	D A
2" ASME 150 lb, flat faced	F B
3" ASME 150 lb, flat faced	G B
4" ASME 150 lb, flat faced	H B
6" ASME 150 lb, flat faced	J B
DN 50 PN 40, flat faced	A C
DN 80 PN 40, flat faced	B C
DN 100 PN 40, flat faced	C C
DN 150 PN 40, flat faced	D C
2" ASME 300 lb, flat faced, available with Pressure rating option 1 only due to flange hole spacing	F D
3" ASME 300 lb, flat faced	G D
4" ASME 300 lb, flat faced	H D
6" ASME 300 lb, flat faced	J D
JIS DN 50 10K	A E
JIS DN 80 10K	B E
JIS DN 100 10K	C E
JIS DN 150 10K (Note: Flange bolting patterns and facings dimensionally correspond to the applicable ASME B16.5, or EN 1092-1, or JIS B 2220 standard.)	D E
Threaded connection (316L stainless steel)	
1½" NPT [(Taper), ANSI/ASME B1.20.1]	L A
2" NPT [(Taper), ANSI/ASME B1.20.1]	M A
R 1½" [(BSPT), EN 10226]	L C
R 2" [(BSPT), EN 10226]	M C
G 1½" [(BSPP), EN ISO 228-1]	L E
G 2" [(BSPP), EN ISO 228-1]	M E

Antenna extensions or Inactive shield length	
No antenna extension	0
50 mm (2 inch) extension, PTFE	1
100 mm (4 inch) extension, PTFE	2
100 mm (4 inch) extension, 316L stainless steel shield[1]	3
150 mm (6 inch) extension, 316L stainless steel shield[1]	4
200 mm (8 inch) extension, 316L stainless steel shield[1]	5
250 mm (10 inch) extension, 316L stainless steel shield[1]	6

Process seal/gasket	
Integral Gasket, for flat faced flange process connections only, not for Antenna extension options 3 ... 6	0
FKM O-ring, not available for combination of flat faced flanges with Antenna extension options 0, 1 or 2	1

Enclosure/Cable inlet	
Aluminum, Epoxy painted	
2 x ½" NPT	2
2 x M20x1.5	3

Selection and Ordering data	Article No.
SITRANS LR200, Flange Adapter/PTFE Rod Antenna Version	**7ML5423-**
2-wire, 6 GHz pulse radar level transmitter for continuous monitoring of liquids and slurries in process vessels including high temperature and pressure, to a range of 20 m (66 ft).	■■■■■-■■■■

Communication/Output	
PROFIBUS PA	B
4 ... 20 mA, HART, startup at < 3.6 mA	C

Approvals	
General Purpose, CE, R&TTE, C-TICK	A
General Purpose, CSA FM, Industry Canada, FCC	B
Intrinsically Safe, CSA Class I, II, Div. 1, Groups A, B, C, D, E, F, G, Industry Canada	C
Intrinsically Safe, FM Class I, II, Div. 1, Groups A, B, C, D, E, F, G, FCC	D
Intrinsically Safe, IECEx/ATEX II 1G Ex ia IIC T4, INMETRO Ex ia IIC T4, CE, R&TTE, C-TICK; GOST-R	E
Non incendive, FM Class I, Div. 2, Groups A, B, C, D, FCC[2]	F
Increased Safety, ATEX II 1/2G Ex e mb ia IIC T4 Ga/Gb, CE, R&TTE, C-TICK; GOST-R [3][4]	G
Flame Proof, ATEX II 1/2G Ex d mb ia IIC T4 Ga/Gb, CE, R&TTE, C-TICK; GOST-R[4]	H
Explosion Proof, CSA/FM Class I, II, III, Groups A, B, C, D, E, F, G, Industry Canada, FCC[2][4]	J

Pressure rating	
Rating per Pressure/Temperature curves in manual	0
0.5 bar g (7.25 psi g) maximum	1

[1] Available with process connection options BA, CA, DA, GB, HB, JB, BC, CC, DC, GD, HD, JD, BE, CE, DE, MA, MC, ME only

[2] Available with enclosure option 2 only

[3] Available with enclosure option 3 only

[4] Available with communication option C only

Level Measurement
Continuous level measurement – Radar transmitters

SITRANS LR200

Selection and Ordering data	Article No.
SITRANS LR200, Flange Adapter, Sanitary Version	7ML5424-
2-wire, 6 GHz pulse radar level transmitter for continuous monitoring of liquids and slurries in process vessels including high temperature and pressure, to a range of 20 m (66 ft).	▪▪▪▪▪-▪▪▪▪
Antenna material (uses antenna adapter)	
PTFE, one piece rod antenna	0
UHMW-PE, one piece rod antenna	1
Process connection	
Sanitary fitting clamp	A
Configuration/Connection size	
2" connection, rod antenna only	A
3" connection, rod antenna only	B
4" connection, rod antenna only	C
Antenna extension	
No extension	0
Mounting Clamp	
No mounting clamp	0
Mounting clamp included, not available with Pressure rating option 0	1
Enclosure/Cable inlet	
Aluminum, Epoxy painted	
2 x ½" NPT	2
2 x M20x1.5	3
Communication/Output	
PROFIBUS PA	B
4 ... 20 mA, HART, startup at < 3.6 mA	C
Approvals	
General Purpose, CE, R&TTE, C-TICK	A
General Purpose, CSA, FM, Industry Canada, FCC	B
Intrinsically Safe, CSA Class I, II, Div. 1, Groups A, B, C, D, E, F, G, Industry Canada	C
Intrinsically Safe, FM Class I, II, Div. 1, Groups A, B, C, D, E, F, G, FCC	D
Intrinsically Safe, IECEx/ATEX II 1G Ex ia IIC T4, INMETRO Ex ia IIC T4, CE, R&TTE, C-TICK; GOST-R	E
Non incendive, FM Class I, Div. 2, Groups A, B, C, D, FCC[1]	F
Increased Safety, ATEX II 1/2G Ex e mb ia IIC T4 Ga/Gb, CE. R&TTE, C-TICK; GOST-R [2)3)]	G
Flame Proof, ATEX II 1/2G Ex d mb ia IIC T4 Ga/Gb, CE, R&TTE, C-TICK; GOST-R[3]	H
Explosion Proof, CSA/FM Class I, II, III, Groups A, B, C, D, E, F, G, Industry Canada, FCC[1)3)]	J
Pressure rating	
Rating per Pressure/Temperature curves in Manual	
0.5 bar g (7.25 psi g) maximum	0
	1

[1] Available with enclosure option 2 only
[2] Available with enclosure option 3 only
[3] Available with communication option C 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**
Inspection Certificate Type 3.1 per EN 10204	**C12**
Namur NE43 compliant, device preset to failsafe < 3.6 mA[1]	**N07**
Operating Instructions for HART/mA device	Article No.
English	**7ML1998-5JP02**
German	**7ML1998-5JP32**
Note: The Operating Instructions should be ordered as a separate line item on the order.	
Multi-language Quick Start manual This device is shipped with the Siemens Milltronics manual DVD containing the ATEX Quick Start and Operating Instructions library.	**A5E31993614**
Operating Instructions for PROFIBUS PA device	
English	**7ML1998-5JR02**
German	**7ML1998-5JR32**
Note: The Operating Instructions should be ordered as a separate line item on the order.	
Multi-language Quick Start manual This device is shipped with the Siemens Milltronics manual DVD containing the ATEX Quick Start and Operating Instructions library.	**A5E32153438**
Accessories	
Handheld programmer, Intrinsically safe, EEx ia	**7ML1930-1BK**
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[2]	**7ML1930-1AP**
One metallic cable gland M20x1.5, rated -40 ... +80 °C (-40 ... +176 °F), PROFIBUS PA[2]	**7ML1930-1AQ**
One general purpose polymeric cable gland M20x 1.5, rated -40 ... +80 °C (-40 ... +176 °F)	**7ML1930-1AM**
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**
For applicable back up point level switch - see point level section on page 4/9	
Sanitary fitting clamps	
2", 304 stainless steel	**7ML1830-1HD**
3", 304 stainless steel	**7ML1830-1HE**
4", 304 stainless steel	**7ML1830-1HF**

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

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**
Inspection Certificate Type 3.1 per EN 10204	**C12**
Namur NE43 compliant, device preset to failsafe < 3.6 mA[1]	**N07**
Operating Instructions for HART/mA device	Article No.
English	**7ML1998-5JP02**
German	**7ML1998-5JP32**
Note: The Operating Instructions should be ordered as a separate line item on the order.	
Multi-language Quick Start manual This device is shipped with the Siemens Milltronics manual DVD containing the ATEX Quick Start and Operating Instructions library.	**A5E31993614**
Operating Instructions for PROFIBUS PA device	
English	**7ML1998-5JR02**
German	**7ML1998-5JR32**
Note: The Operating Instructions should be ordered as a separate line item on the order.	
Multi-language Quick Start manual This device is shipped with the Siemens Milltronics manual DVD containing the ATEX Quick Start and Operating Instructions library.	**A5E32153438**
Accessories	
Handheld programmer, Intrinsically safe, EEx ia	**7ML1930-1BK**
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[2]	**7ML1930-1AP**
One metallic cable gland M20x1.5, rated -40 ... +80 °C (-40 ... +176 °F), PROFIBUS PA[2]	**7ML1930-1AQ**
Antenna, rod, PTFE	**7ML1830-1HC**
Antenna extension, 50 mm (2 inch) PTFE	**7ML1830-1CH**
Antenna extension, 100 mm (4 inch) PTFE	**7ML1830-1CG**
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] Available with communication option 3 only

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

Level Measurement
Continuous level measurement – Radar transmitters

SITRANS LR200

Selection and Ordering data	Article No.
SITRANS LR200, **Flange adapter/Horn Antenna version**	7ML5425- ■■■■■-■■■■
2-wire, 6 GHz pulse radar level transmitter for continuous monitoring of liquids and slurries in process vessels including high temperature and pressure, to a range of 20 m (66 ft).	

Antenna material (uses antenna adapter)	
316L stainless steel with PTFE cone emitter	0
316L stainless steel with PTFE cone emitter and purge connection with 1/8" NPT inlet[1]	1
Sliding waveguide system with 1 000 mm (40 inch) waveguide[1][2]	2

Process connection (refer to Pressure/Temperature curves, page 4/212) Flanges (316L stainless steel)	
DN 50 PN 16 EN 1092-1 Type A flat faced[1]	A A
DN 80 PN 16 EN 1092-1 Type A flat faced	B A
DN 100 PN 16 EN 1092-1 Type A flat faced	C A
DN 150 PN 16 EN 1092-1 Type A flat faced	D A
DN 200 PN 16 EN 1092-1 Type A flat faced	E A
DN 80 PN 10/16 DIN EN 1092-1 Type B1 raised face[3]	B F
DN 100 PN 10/16 DIN EN 1092-1 Type B1 raised face[3]	C F
DN 150 PN 10/16 DIN EN 1092-1 Type B1 raised face[3]	D F
DN 200 PN 16 DIN EN 1092-1 Type B1 raised face[3]	E F
2" ASME 150 lb, flat faced[1]	F B
3" ASME 150 lb, flat faced	G B
4" ASME 150 lb, flat faced	H B
6" ASME 150 lb, flat faced	J B
8" ASME 150 lb, flat faced	K B
DN 50 PN 40, flat faced[3]	A C
DN 80 PN 40, flat faced[3]	B C
DN 100 PN 40, flat faced[3]	C C
DN 200 PN 40, flat faced[3]	E C
DN 80 PN 25/40 DIN EN 1092-1 Type B1 raised face[3]	C G
DN 100 PN 25/40 DIN EN 1092-1 Type B1 raised face[3]	D G
DN 150 PN 25/40 DIN EN 1092-1 Type B1 raised face[3]	E G
2" ASME 300 lb, flat faced[1][3]	F D
3" ASME 300 lb, flat faced[3]	G D
4" ASME 300 lb, flat faced[3]	H D
JIS DN 50 10K[1]	A E
JIS DN 80 10K	B E
JIS DN 100 10K	C E
JIS DN 150 10K	D E
JIS DN 200 10K	E E
(Note: Flange bolting patterns and facings dimensionally correspond to the applicable ASME B16.5, or EN 1092-1, or JIS B 2220 standard.)	

Communication/Output	
PROFIBUS PA	1
4 ... 20 mA, HART, startup at < 3.6 mA	2

Selection and Ordering data	Article No.
SITRANS LR200, **Flange adapter/Horn Antenna version**	7ML5425- ■■■■■-■■■■
2-wire, 6 GHz pulse radar level transmitter for continuous monitoring of liquids and slurries in process vessels including high temperature and pressure, to a range of 20 m (66 ft).	

Process seal/gasket	
FKM (-40 ... +200 °C)	0
Nitrile (-40 ... +60 °C), sliding waveguide sytems only	1
FFKM (-35 ... +200 °C)	2

Enclosure/Cable inlet Aluminum, Epoxy painted	
2 x ½" NPT	2
2 x M20x1.5	3

Horn size/Waveguide options	
80 mm (3 inch) horn[4]	B
100 mm (4 inch) horn[4]	C
150 (6 inch) mm horn	D
200 (8 inch) mm horn	E
100 mm (4 inch) horn with 100 mm (4 inch) waveguide extension[4]	F
100 mm (4 inch) horn with 150 mm (6 inch) waveguide extension[4]	G
100 mm (4 inch) horn with 200 mm (8 inch) wave-guide extension[4]	H
100 mm (4 inch) horn with 250 mm (10 inch) waveguide extension[4]	J
150 mm (6 inch) horn with 100 mm (4 inch) waveguide extension	K
150 mm (6 inch) horn with 150 mm (6 inch) waveguide extension	L
150 mm (6 inch) horn with 200 mm (8 inch) waveguide extension	M
150 mm (6 inch) horn with 250 mm (10 inch) waveguide extension	N
200 mm (8 inch) horn with 100 mm (4 inch) waveguide extension	P
200 mm (8 inch) horn with 150 mm (6 inch) waveguide extension	Q
200 mm (8 inch) horn with 200 mm (8 inch) waveguide extension	R
200 mm (8 inch) horn with 250 mm (10 inch) waveguide extension	S
(Add Order code Y01 and plain text: "waveguide length ... mm")	

Selection and Ordering data	Article No.
SITRANS LR200, **Flange adapter/Horn Antenna version**	**7ML5425-** ■■■■■-■■■■
2-wire, 6 GHz pulse radar level transmitter for continuous monitoring of liquids and slurries in process vessels including high temperature and pressure, to a range of 20 m (66 ft).	
Approvals	
General Purpose, CE, R&TTE, C-TICK	A
General Purpose, CSA, FM, Industry Canada, FCC	B
Intrinsically Safe, CSA Class I, II, Div. 1, Groups A, B, C, D, E, F, G, Industry Canada	C
Intrinsically Safe, FM Class I, II, Div. 1, Groups A, B, C, D, E, F, G, FCC	D
Intrinsically Safe, IECEx/ATEX II 1G Ex ia IIC T4, INMETRO Ex ia IIC T4, CE, R&TTE, C-TICK; GOST-R	E
Non incendive, FM Class I, Div. 2, Groups A, B, C, D, FCC[5]	F
Increased Safety, ATEX II 1/2G Ex e mb ia IIC T4 Ga/Gb, CE. R&TTE, C-TICK; GOST-R[6][7]	G
Flame Proof, ATEX II 1/2G Ex d mb ia IIC T4 Ga/Gb, CE, R&TTE, C-TICK; GOST-R[7]	H
Explosion Proof, CSA/FM Class I, II, III, Groups A, B, C, D, E, F, G, Industry Canada, FCC[5][7]	J
Pressure rating	
Rating per Pressure/Temperature curves in manual	0
0.5 bar g (7.25 psi g) maximum	1

[1] Available with pressure rating option 1 only
[2] Maximum Process Temperature 60 °C (140 °F)
[3] Available with Antenna Material option 0 and 1 only
[4] For stillpipe applications only
[5] Available with enclosure option 2 only
[6] Available with enclosure option 3 only
[7] Available with communication option 2 only

Selection and Ordering data	Order code
Further designs	
Please add "**-Z**" to Article No. and specify Order code(s).	
Inactive custom shield lengths: Enter the total length of the inactive shield in plain text description (in 1 mm increments).	**Y01**
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**
Namur NE43 compliant, device preset to failsafe < 3.6 mA[1]	**N07**
Operating Instructions for HART/mA device	Article No.
English	**7ML1998-5JP02**
German	**7ML1998-5JP32**
Note: The Operating Instructions should be ordered as a separate line item on the order.	
Multi-language Quick Start manual This device is shipped with the Siemens Milltronics manual DVD containing the ATEX Quick Start and Operating Instructions library.	**A5E31993614**
Operating Instructions for PROFIBUS PA device	
English	**7ML1998-5JR02**
German	**7ML1998-5JR32**
Note: The Operating Instructions should be ordered as a separate line item on the order.	
Multi-language Quick Start manual This device is shipped with the Siemens Milltronics manual DVD containing the ATEX Quick Start and Operating Instructions library.	**A5E32153438**
Accessories	
Handheld programmer, Intrinsically safe, EEx ia	**7ML1930-1BK**
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[2]	**7ML1930-1AP**
One metallic cable gland M20x1.5, rated -40 ... +80 °C (-40 ... +176 °F), PROFIBUS PA[3]	**7ML1930-1AQ**
One general purpose polymeric cable gland M20x1.5, rated -40 ... +80 °C (-40 ... +176 °F)	**7ML1930-1AM**
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**
For applicable back up point level switch - see point level section on page 4/9	

[1] Available with communication option 2 only
[2] Product shipped with plastic cable gland, rated to -20 °C. If -40 °C rating required, then metallic cable gland is recommended.
[3] Available with enclosure option 2 only

4