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Level Measurement
Continuous level measurement – Ultrasonic controllers

HydroRanger 200

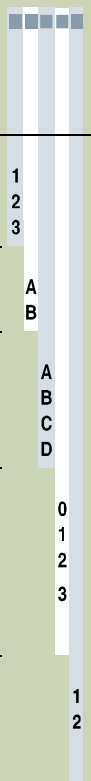| Selection and Ordering data	Article No.
Siemens HydroRanger 200 Ultrasonic level controller for up to six pumps that provides control, differential control and open channel flow monitoring. The HydroRanger 200 is also available as a level measurement controller only. Select option from number of measurement points options below.	7ML5034- ■■■■
Mounting	
Wall mount, standard enclosure	1
Wall mount, 4 entries, 4 M20 cable glands included	2
Panel mount[1]	3
Power supply	
100 ... 230 V AC	A
12 ... 30 V DC	B
Number of measurement points	
Single point model, 6 relays	A
Dual point model, 6 relays	B
Single point model, level only, 1 relay[2]	C
Single point model, level only, 3 relays[2]	D
Communication (SmartLinx)	
Without module	0
SmartLinx Allen-Bradley Remote I/O module	1
SmartLinx PROFIBUS DP module	2
SmartLinx DeviceNet module See SmartLinx product page 4/339 for more information.	3
Approvals	
General Purpose CE, FM, CSA$_{us/c}$, UL listed, C-TICK	1
CSA Class I, Div. 2, Groups A, B, C, and D; Class II, Div. 2, Groups F and G; Class III (for wall mount applications only)	2

[1] Available with approval option 1 only
[2] This model is level control only; no open channel flow, differential level, or volume conversion functions.

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**
Operating Instructions	Article No.
English	**7ML1998-5FC03**
French	**7ML1998-5FC11**
German Note: The Operating Instructions should be ordered as a separate item on the order. This device is shipped with the Siemens Milltronics manual DVD containing the ATEX Quick Start and Operating Instructions library.	**7ML1998-5FC33**
Other Operating Instructions	
SmartLinx Allen-Bradley Remote I/O, English	**7ML1998-1AP03**
SmartLinx PROFIBUS DP, English	**7ML1998-1AQ03**
SmartLinx PROFIBUS DP, German	**7ML1998-1AQ33**
SmartLinx PROFIBUS DP, French	**7ML1998-1AQ13**
SmartLinx DeviceNet, English Note: The appropriate SmartLinx Operating Instructions should be ordered as a separate line on the order.	**7ML1998-1BH02**
Accessories	
Handheld programmer	**7ML1830-2AK**
Tag, stainless steel, 12 x 45 mm (0.47 x 1.77 inch), one text line, suitable for enclosure	**7ML1930-1AC**
Sunshield kit, 304 stainless steel	**7ML1930-1GA**
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**
Spare parts	
Power Supply Board (100 ... 230 V AC)	**7ML1830-1MD**
Power Supply Board (12 ... 30 V DC)	**7ML1830-1ME**
Display Board	**7ML1830-1MF**