

Selection and Ordering data

SITRANS LUT420 and LUT430

Compact ultrasonic level controllers for continuous short to long-range level or volume measurement of liquids, slurries, and solids. Both units include basic relay functions for pumps, alarms, and other controls, plus onboard data logging. LUT430 offers additional advanced pump control and alarm functionality, open channel flow monitoring, and basic flow data logging capability. Functionality varies by model.

➤ Click on the Article No. for the online configuration in the PIA Life Cycle Portal.

Model

SITRANS LUT420 - Level controller ➤ **A**

SITRANS LUT430 - Level, Pump & Flow controller ➤ **B**

Enclosure display options

With display ➤ **A**

With remote panel mount display [Includes panel mount cable extension, 2.5 m (8.2 ft)] ➤ **B**

No display (blank lid provided) ➤ **C**

Note: Enclosure includes back-plate for wall and pipe mounting, and an integrated clip for DIN-rail mounting. DIN-rail mounting for standard TS35 x 7.5 and TS35 x 15 mm DIN-rail to IEC 60715, EN 60715

Input voltage

100 ... 230 V AC ± 15 % ➤ **1**

10 ... 32 V DC ➤ **2**

Cable inlet

3 cable inlets, cable glands not supplied ➤ **1**

3 cable inlets, 3 M20 plastic cable glands supplied ➤ **2**

Number of measurement points

Single point system (includes one transducer input, one mA output, and one external temperature sensor input) ➤ **1**

Communications and I/O

HART, 2 discrete inputs, 3 relays ➤ **D**

Approvals

General purpose CE, FM, CSA_{US/C}, UL, RCM ➤ **A**

Hazardous locations CSA Class I, II, III, Div. 2, Groups A, B, C, D, F, G ➤ **C**

◆ 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).

Manufacturer's test certificate M to DIN 55350, Part 18 and to ISO 9000 ➤ **C11**

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**

Namur NE43 failsafe setting - device preset to failsafe < 3.6 mA ➤ **N07**

Operating Instructions Article No.

English **A5E33329501**

German **A5E35690863**

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 Operating Instructions library.

Article No.

7ML5050-
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Selection and Ordering data

Communications Manual

English

German

Note: The communications manual should be ordered as a separate line item on the order.

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Article No.

A5E33701270

7ML1998-5NE31

Accessories

Tag, stainless steel, 12 x 45 mm (0.47 x 1.77 inch), one text line, suitable for enclosure **7ML1930-1AC**

TS-3 Temperature Sensor - see TS-3 on page 4/192 **7ML1813-...**

Panel mount cable extension, 2.5 m (8.2 ft) **7ML1930-1GF**

Qty 3 cable glands and retaining nuts **7ML1930-1GB**

USB cable, 2 m (6.56 ft) - Standard USB-A to USB-mini B **7ML1930-1GD**

Hart modem/USB (for use with a PC and SIMATIC PDM) **7MF4997-1DB**

Sunshield, 304 stainless steel **7ML1930-1GE**

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-...**

Spare parts

Panel mount retrofit kit (convert standard unit with display to panel mount version) **7ML1830-1PA**

Terminal block replacement kit (5 piece kit with one of each removable terminal) **7ML1830-1PB**

Wall/Pipe mount plate **7ML1830-1PC**

Enclosure (include blank label) **7ML1830-1PD**

SITRANS LUT400 Lid (with Display) **7ML1830-1PE**

SITRANS LUT400 Lid (blank) **7ML1830-1PF**

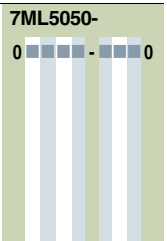
Fuse - AC (0.25 A, 250 V, Slow Blow) **7ML1830-1PG**

Fuse - DC (1.6 A, 125 V, Slow Blow) **7ML1830-1PH**

Panel mount gasket and fastener kit **7ML1830-1PK**

DIN-rail clip **7ML1830-1PL**

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Selection and Ordering data	Article No.	Communication and Ordering data	Article No.
SITRANS LUT440 The SITRANS LUT440 is the most accurate and featured model in the LUT400 series. It includes high accuracy open channel monitoring, relay functions for external samplers, totalizers, alarms, and enhanced data logging, as well as all pump and control functions available with other models in the LUT400 series. Click on the Article No. for the online configuration in the PIA Life Cycle Portal.	7ML5050- 	Communications Manual English German Note: The communications manual 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	A5E33701270 7ML1998-5NE31
Model SITRANS LUT440 - High accuracy Open Channel Monitor ¹⁾	C	This device is shipped with the Siemens Level and Weighing manual DVD containing the Operating Instructions library.	
Enclosure display options With display With remote panel mount display [includes panel mount cable extension, 2.5 m (8.2 ft)] No display (blank lid provided) Note: Enclosure includes back-plate for wall and pipe mounting, and an integrated clip for DIN-rail mounting. DIN-rail mounting for standard TS35 x 7.5 and TS35 x 15 mm DIN-rail to IEC 60715, EN 60715	A B C	Accessories Tag, stainless steel, 12 x 45 mm (0.47 x 1.77 inch), one text line, suitable for enclosure TS-3 Temperature Sensor - see TS-3 on page 4/192 Panel mount cable extension 2.5 m (8.2 ft) Qty 3 cable glands and retaining nuts USB cable 2 m (6.56 ft) - Standard USB-A to USB-mini B HART modem/USB (for use with PC and SIMATIC PDM) Sunshield, 304 stainless steel	7ML1930-1AC 7ML1813-... 7ML1930-1GF 7ML1930-1GB 7ML1930-1GD
Input voltage 100 ... 230 V AC ± 15 % 10 ... 32 V DC	1 2	SITRANS RD100, loop powered display - see Chapter 7 SITRANS RD200, universal input display with Modbus conversion - see Chapter 7	7MF4997-1DB 7ML1930-1GE
Cable inlet 3 cable inlets, cable glands not supplied 3 cable inlets, 3 M20 plastic cable glands supplied	1 2	Sunshield, 304 stainless steel SITRANS RD300, dual line display with totalizer and linearization curve and Modbus conversion - see Chapter 7	7ML5741-... 7ML5740-...
Number of measurement points Single point system (includes one transducer input, one mA output, and one external temperature sensor input)	1	SITRANS RD500 web, universal remote monitoring solution for instrumentation - see Chapter 7	7ML5744-... 7ML5750-...
Communications and I/O HART, 2 discrete inputs, 3 relays	D	Spare parts Panel mount retrofit kit (convert standard unit with display to panel mount version) Terminal block replacement kit (5 piece kit with one of each removable terminal) Wall/Pipe mount plate Enclosure (include blank label)	7ML1830-1PA 7ML1830-1PB
Approvals General purpose CE, FM, CSA _{US/C} , UL, RCM Hazardous locations CSA Class I, II, III, Div. 2, Groups A, B, C, D, F, G ¹⁾ Compatible with all EchoMax Transducers. High accuracy OCM performance with the use of an XRS-5 transducer and TS-3 temperature sensor (each sold separately). We can offer shorter delivery times for configurations designated with the Quick Ship Symbol. For details see page 9/5 in the appendix.	A C	SITRANS LUT400 Lid (with Display) SITRANS LUT400 Lid (blank) Fuse - AC (0.25 A, 250 V, Slow Blow) Fuse - DC (1.6 A, 125 V, Slow Blow) Panel mount gasket and fastener kit DIN-rail clip	7ML1830-1PC 7ML1830-1PD 7ML1830-1PE 7ML1830-1PF 7ML1830-1PG 7ML1830-1PH 7ML1830-1PK 7ML1830-1PL
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