7ML5221-1BB17

Industrial automation components

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Manufacturer	Siemens
Catalog number	7ml5221-1bb17
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	7ML5221-1BB17
Product Type	Ultrasonic Level Transmitter
Measurement Range	12 meters (40 feet)
Transducer Material	PVDF Copolymer
Process Connection	2-inch BSPT thread (EN 10226)
Communication Output	4-20mA, HART protocol
Hazardous Area Approval	ATEX 1G Ex ia IIC T4 Ga, IECEx Ex ia IIC T4 Ga, INMETRO Ex ia IIC T4 Ga
Operating Temperature Range	-40°C to +80°C

Description

The Siemens 7ML5221-1BB17 SITRANS Probe LU is an ultrasonic level transmitter designed for continuous, non-contact measurement of liquid and slurry levels up to 12 meters (40 feet). It is ideal for monitoring levels and volumes in storage tanks and open channels.

The device features a plastic (PBT) enclosure with two M20 x 1.5 cable inlets, one of which includes a general-purpose cable gland. The transducer material is PVDF Copolymer, suitable for a 6-meter (20-foot) range.

The process connection is a 2-inch BSPT thread (EN 10226). Communication is achieved via 4-20mA output with HART protocol. The device is approved for use in hazardous areas with certifications including ATEX 1G Ex ia IIC T4 Ga, IECEx Ex ia IIC T4 Ga, and INMETRO Ex ia IIC T4 Ga, with an

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operating temperature range from -40°C to +80°C.

The SITRANS Probe LU is suitable for applications requiring precise level measurement in challenging environments.

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