

Overview



SITRANS LU150 is a short-range integrated ultrasonic level transmitter. This general purpose, 2-wire, 4 to 20 mA loop powered transmitter is ideal for liquids, slurries, and bulk materials in open or closed vessels to 5 m (16.4 ft).

Benefits

- Easy to install, program, and maintain
- Accurate and reliable
- Sanitary models available
- Patented Sonic Intelligence echo processing
- Integral temperature compensation

Application

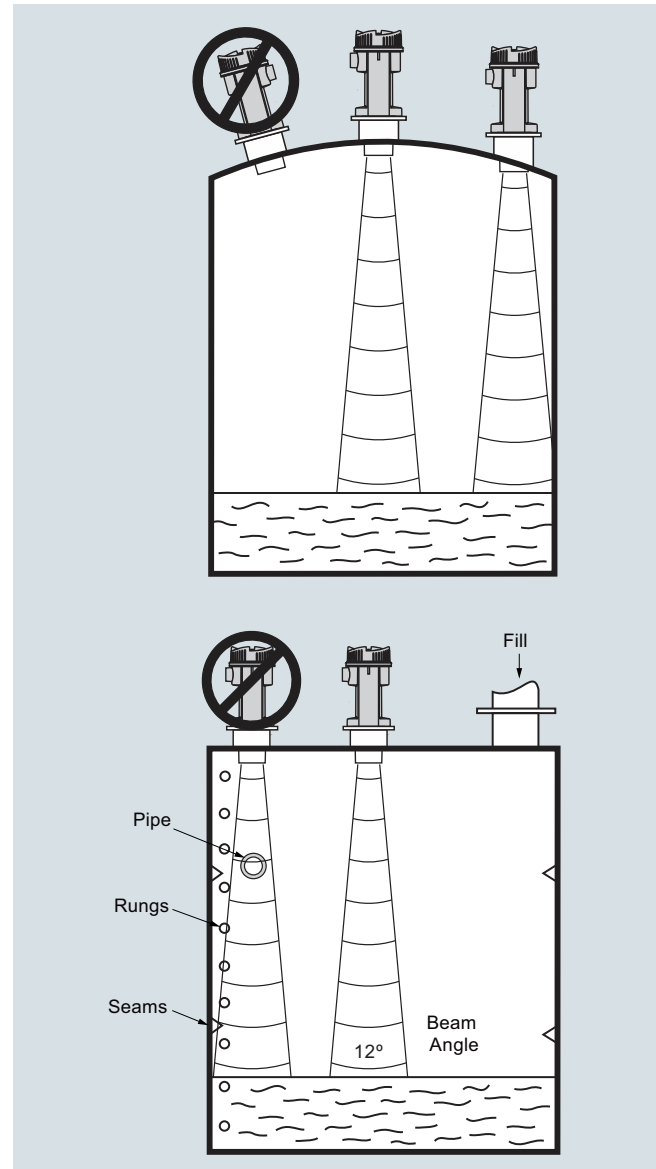
The transducer is available in PVDF copolymer, making the device suitable for use in a wide variety of applications.

SITRANS LU150 is easy to install and maintain, and can be quickly removed for cleaning as required by the food, beverage and pharmaceutical industries.

The reliability of the level data is based on the Sonic Intelligence echo processing algorithms. A filter discriminates between the true echo and false echoes from acoustic or electrical noises and agitator blades in motion. The ultrasonic pulse propagation time to the material and back is temperature-compensated and converted into distance for display, analog output.

- Key Applications: chemical storage vessels, filter beds, mud pits, liquid storage vessels, food applications

Configuration



SITRANS LU150 mounting

Continuous level measurement
Ultrasonic transmitters

Technical specifications

Selection and Ordering data

Article No.

7ML5201-00

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

F

F
G
J

Order code

Y15

C11

Test certificate: Manufacturer's test certificate M to DIN 55350, Part 18 and to ISO 9000

Article No

A5E34590123

A5E36369862

All literature is available to download for free, in a range of languages, at <http://www.siemens.com/processinstrumentation/documentation>

7ML1930-1AC

7ML1830-1BK

7ML1830-1BR

7ML1830-1BT

7ML1830-1BU

7ML1830-1DT

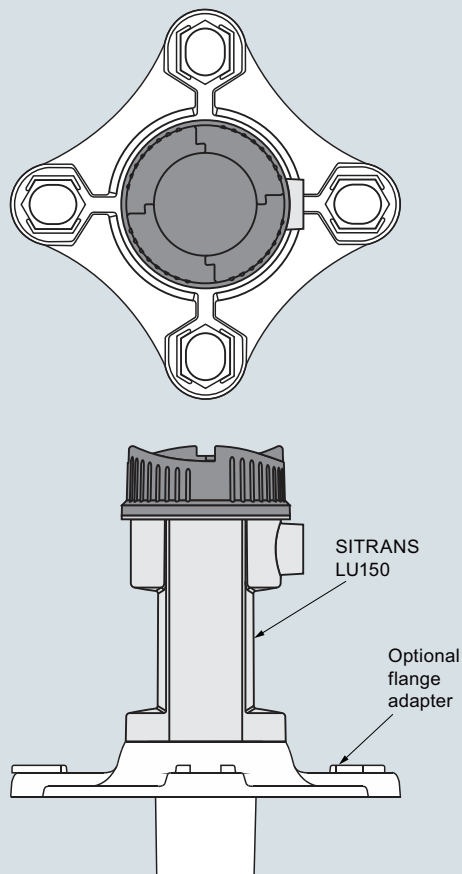
7ML1830-1DQ

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Cable Gland - General Purpose -20 ... +60 °C
(-4 ... +140 °F)

Options**SITRANS LU150, Flange Adapter**

The SITRANS LU150 can be fitted with the optional 75 (3) flange adapter for mating to 3" ANSI, DIN 65 PN10 and JIS 10K3B flanges.

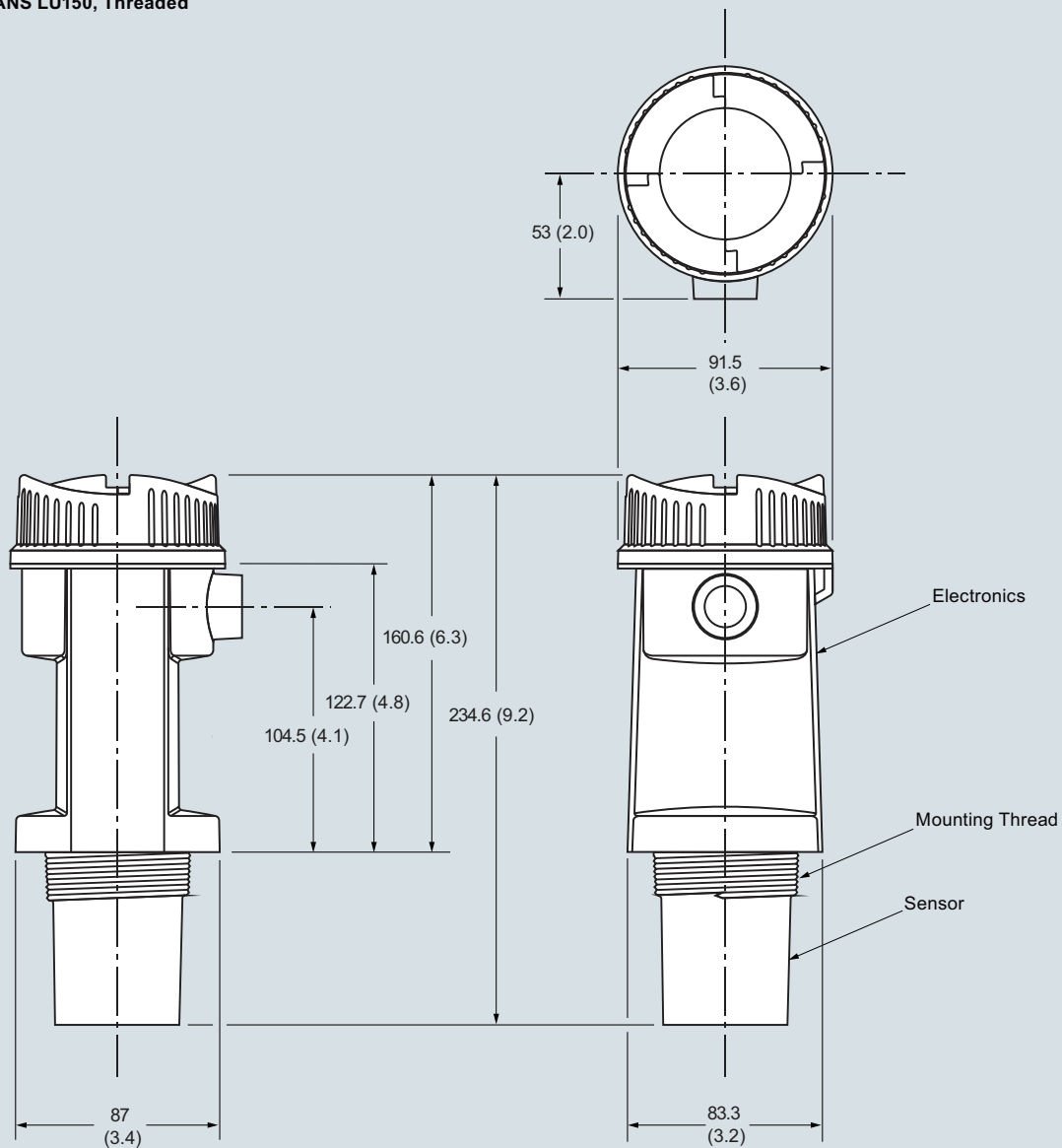


SITRANS LU150 optional flange adapter, dimensions in mm (inch)

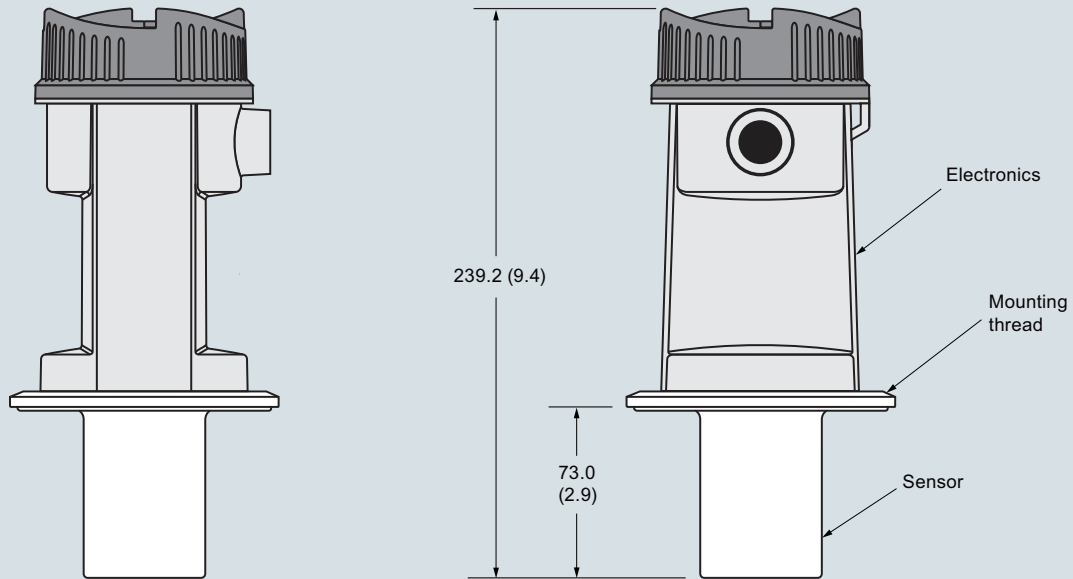
Level Measurement

Continuous level measurement

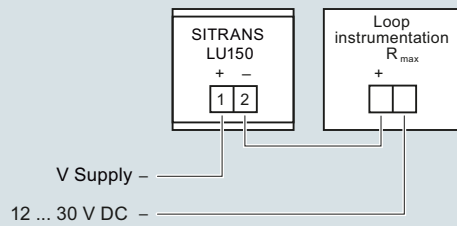
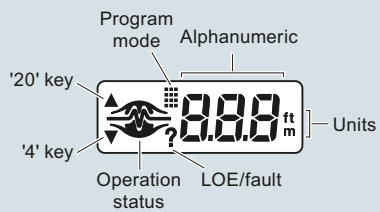
Ultrasonic transmitters

SITRANS LU150**Dimensional drawings****SITRANS LU150, Threaded**

SITRANS LU150, dimensions in mm (inch)

SITRANS LU150, Sanitary

SITRANS LU150, dimensions in mm (inch)

Circuit diagrams**Threaded and Sanitary models****Display**

SITRANS LU150 connections