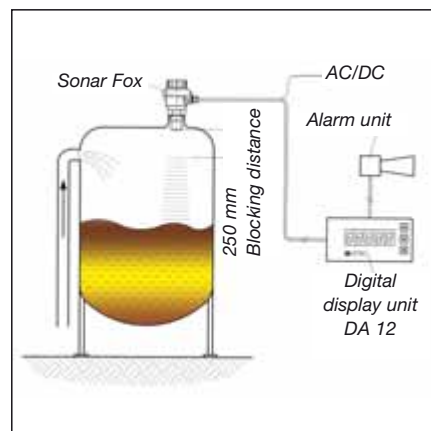
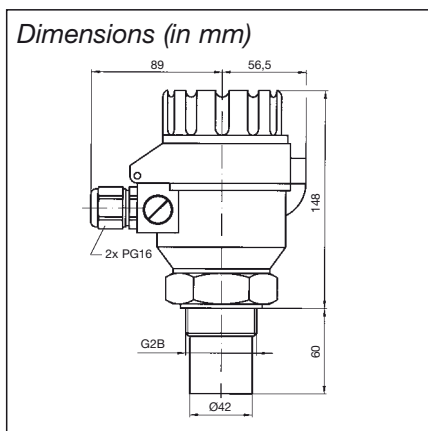


Compact ultrasonic level indicator SonarFox® for non-contact level measurement

01



Application

For continuous, non-contact level measurement of liquids and free-flowing solids with various surface characteristics and consistencies.

Especially suitable for controlling rakes and gates in sewage treatment plants and power plants.

Description

The compact SonarFox® UST 02 consists of the ultrasonic transducer, process connection and housing with screw-on lid.

A programming display can be plugged into the electronics block to calibrate the instrument without time consuming filling and emptying procedures.

The vibration-decoupled ultrasonic transducer is mounted below the process connection.

SonarFox® UST 02 is equipped with an output relay for echo loss indication.

Technical specifications

Measuring range

0/6,000 mm
(blocking distance 250 mm)

Accuracy of measurement
±0.2 % FS

Measuring frequency
80 kHz

Ultrasonic beam angle
6°

Operating temperature range
Medium: -30 °C/+80 °C
Ambient: -30 °C/+60 °C

Process pressure
0.3 to 3 bar absolute

Programming display (option)
6-digit display

Process connection
PVDF, G2B

Ultrasonic transducer
PVDF

Supply voltage
AC 10,5–28 V
DC 10,5–40 V

Power consumption
AC: 4 VA, DC: 3.6 W

Output signals (load)
4–20 mA (max. 600 Ohm)
4-wire

Echo loss indication

Relay contact: 1 voltage-free
changeover contact
Contact rating: AC 250 V, 3 A

Damping

Adjustable 6, 10 or 30 s

Housing

Impact resistant plastic (PBT),
glass fibre reinforced

Protection

Housing IP 67 (EN 60529)
Sensor IP 68 (EN 60529)

Electrical connections

2 x cable gland PG 16

Options

- Programming display
- Other process connections
- Other materials
- Supply voltage AC 85–255 V

DG: E

Version	Part no.	Price €
UST 02 AC 10,5–28 V DC 10,5–40 V	56119	
UST 02 AC 85–255 V	56129	
Programming display	56109	