

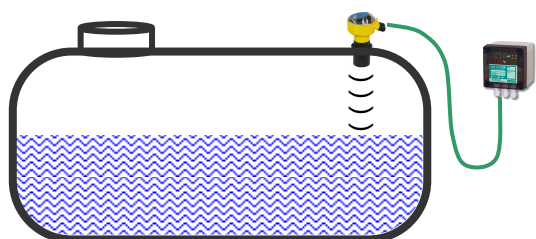
ULTRASONIC LEVEL PROBES UP TO 60 m

The ULX- ... are configurable ultrasonic level sensors for measuring level from 0..5 m. to 0..60 m. acc. Model displaying the distance and depth on LCD display, according to user-defined parameters.

These sensors use ultrasonic sound waves to measure the distance to a surface without contact nor wear.

They are used to measure the distance to any solid object or liquid, opaque or transparent. Environmental conditions such as smoke, dust, and showering have little effect on the performance of the ultrasonic sensor.

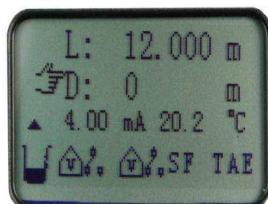
- COMPACT LEVEL PROBE IN THERMOPLASTIC HOUSING
- SOLID OR LIQUID SURFACES
- RANGES 0..5 m, 10 m, 15 m, 20 m, 30 m, 40 m, 50 or 60 m.
- 4-20 mA 2-WIRE OUTPUT (or 4-wire in versión ../4W/..)
- REPLACES OLD MECHANICAL OR BUBBLING LEVEL SYSTEMS
- CONFIGURABLE RANGE FOR 4-20 mA OUTPUT
- ADJUSTABLE TARE (ZERO) AND OFFSET (BOTTOM)
- ABS BODY. IP66/68 RATING
- POWER SUPPLY 24 Vdc (or 220 Vac as option)
- RS-485 MODBUS PORT only for ../4W/RR (4-wire) version



APPLICATIONS of ULX-... ULTRASONIC PROBES

Continuous level measuring, monitoring and transmitting

- Depth or distance up to view surface
- Level in water tanks
- Solids in silos and deposits
- Control of distance until a solid presence



User configurable by means display:

Level or Distance, Offset, Range, Units, Output Type, Damping, Hold, Peak, Alarms, etc.

ULX-500..6000/..



CE
IP66/68
4-20 mA
2-wire
or 4-wire

Characteristics of the probes ULX-...

Models 4-20 mA 2-wire:

- ULX-500: Range from 0.3 up to 5 m
- ULX-1000: Range from 0.4 up to 10 m
- ULX-1500: Range from 0.4 up to 15 m
- ULX-2000: Range from 0.5 up to 20 m
- ULX-3000: Range from 0.6 up to 30 m
- ULX-4000: Range from 0.7 up to 40 m
- ULX-5000: Range from 0.8 up to 50 m
- ULX-6000: Range from 0.9 up to 60 m
- Accuracy @ 25 °C: ± 0.25 % FSO
- Resolution: 1..3 mm (acc. to range)
- Repeatability: better than 2 mm
- Display: Level, Distance, Env. Temp., Alarms, Algorithm select
- Analog Output: 4-20 mA 2-wire (max. load 250 Ohm)
- Power supply: 24 Vdc (± 10%)

Versions 4-wire:

- ULX-../4W/RR: 4-20 mA 4-wire with 2 Alarms, Power 24 Vdc
- ULX-../4W/RR/AC: as above but Power 220 Vac
- Analog Output: 4-20 mA 4-wire (max. load 510 Ohm)
- Alarms: 2 relays 0.5 mA 220 V (only mod. ../4W/RR)
- Communication: RS485 Modbus (only mod. ../4W/RR)

Operating Limits:

- Enclosure working environment: -20 °C to 60 °C 95 %HR max.
- Sensor working environment: -20 °C to 80 °C 99 %HR max.

CE Standards:

- EN 61000-6-3 Emission, EN 61000-6-2 Immunity, EN 61010 Elect. Safe

Enclosure:

- Material: ABS + Epoxy
- Compatible with: sewage, seawater, diesel, oils, chemicals, etc.
- Housing rating: IP66 acc/IEC 60529 and IK09 acc/ EN 50102
- Probe rating: IP68 acc/IEC 60529 and IK09 acc/ EN 50102
- Environmental Resistance: acc/ IEC 695-2-1 and IEC 439-3

Dimensions:

- Body: Ø 80/ 157 x 200/223 mm long.
- Process Connection: 2", M78/2 ó 3" (Flange DN on demand)
- Weight /model: 1380 g. to 3100 g.