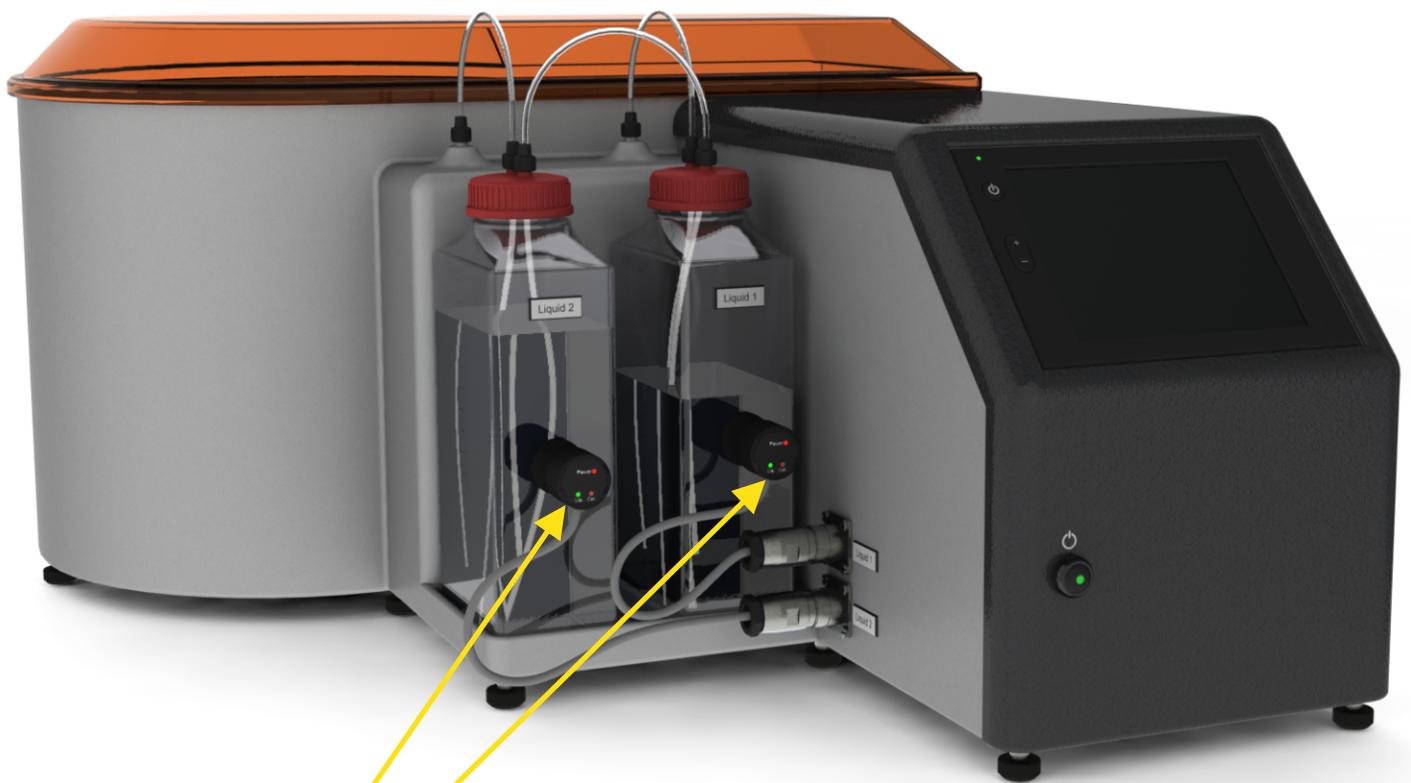




Level Switch FX



Easy and low cost level measurement

How it works

The Level Switch FX is a low cost stand-alone ultrasonic Level Switch. It registers the liquid level inside a container without contact with the liquid. Measure range at the container goes from 70mm to infinity. We call it a non-contacting measurement solution. It has an inbuilt electronic unit with only one button for fast and easy calibrations. The results are displayed on a 2 color LED indicator at the Level Switch FX and also with a NPN output transistor.

Installing

Level Switch FX is easy to install, just glue the Level Switch FX and fixate it to the outside of the container. Connect the cable to a power supply (12-24V DC). Calibrate the sensor with the one button calibration and the sensor is ready for measurements.

Advantages

- Low cost Ultrasonic Level Switch
- Low cost for installation
- Low cost for maintenance
- Stand-alone product, no external transmitter
- No need for holes in the container "non-contacting measurement solution"

Technical data

Weight: 25g
 Cable size: 2m x Ø4mm
 Power supply: 12 - 24V DC
 Current consumption: 25mA
 Protection class: IP60 /*IP65 with cap on (optional)
 Media and ambient temperature: -10°C to 60°C
 Max temp deviation from calibration: Approx. ±15°C
 Ambient Humidity: 0%..90%
 Response time: <0,3 sec.
 Max deviation from level: +-3mm
 Material Level Switch FX: PEI
 Material Cap: PMMA
 Material Collet for cylindrical container: POM
 Measurement frequency: 2 MHz
 Average acoustic power: 1 mW
 Output NPN-output-transistor: (connects to 0V) max 100mA
 Container wall thickness: 1,3 - 15 mm

Order information and accessories

Item number Level Switch FX: FX-F
 Item number Cap: LS-CAP
 Item number Collet for cylindrical container Ø70mm to flat surface: LS-COLLET
 Item number glue: LOCTITE REPAIR EXTREME
 Item number relay: LS-RELAY



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