

# Datasheet

# Labcom 442

## Labcom 442 Communication unit



The Labcom 442 communication unit is designed for the remote monitoring of measurements in industrial, domestic and environmental maintenance applications. Typical applications include oil separator alarms, tank level measurements, monitoring pumping stations, real estate, and groundwater measurements.

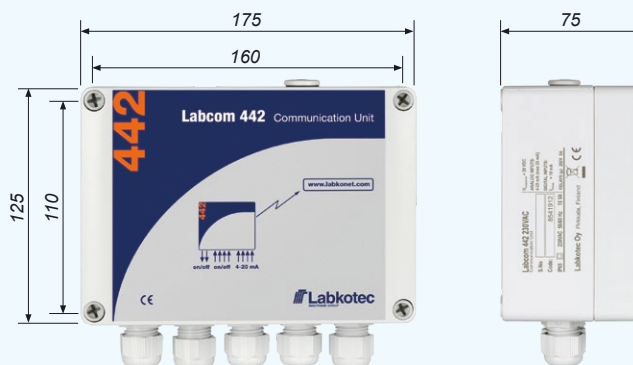
Labcom 442 sends alarms and measurement results as text messages either directly to your mobile phone or to the LabkoNet service to be stored and distributed to other interested parties. You can easily modify the device settings with your mobile phone or by using LabkoNet service.

The 230 VAC version of the device is available with internal backup battery as an option, which gives the Labcom 442 up to four hour operating time in case of power outages.

### Technical data

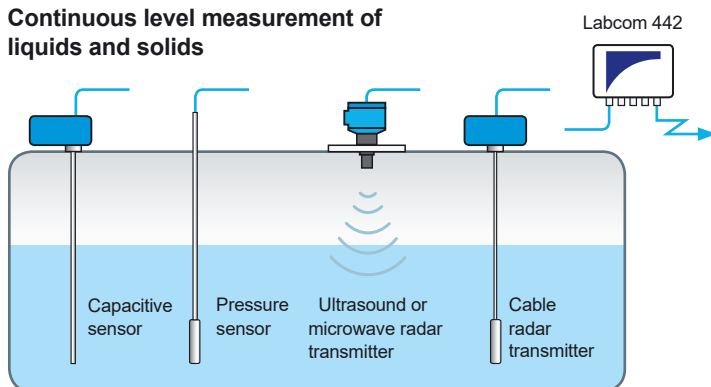
<b>Dimensions</b>	175 x 125 x 75 mm
<b>Material</b>	Polycarbonate
<b>Protection class</b>	IP 65
<b>Operating temperature</b>	-30 °C ... +50 °C
<b>Supply voltage</b>	230 V AC, 50/60 Hz tai 9-14 V DC (solar panel and battery or just battery)
<b>Power consumption</b>	230 V AC: max. 18 VA, 12 V DC: max. 10 VA
<b>Relay outputs</b>	2 pcs, SPDT, 250 V AC/5 A/500 VA or 24 V DC/ 5 A/100 VA
<b>Analog inputs</b>	4 pcs, 4...20 mA, active or passive, A1...A3 resolution 13 bit. Input A4, 10 bit. 24 V DC, max 25 mA per input.
<b>Digital inputs</b>	4 pcs, 24 V DC
<b>Data transfer</b>	LTE-M, NB-IoT -modem Internal.
<b>GSM antenna</b>	External antenna available as an option.
<b>Measurement and data transmission intervals</b>	Freely settable by the user
<b>Electrical safety</b>	EN 61010-1, Class II, CAT II/III, pollution degree 2 EMC EN 61000-6-3 (emissions), EN 61000-6-2 (immunity)
<b>RED</b>	EN 301 511, EN 301 908-1, EN 301 908-2

### Dimensions (mm)



### Applications

#### Continuous level measurement of liquids and solids



#### Pumping station level control

