

# FLT10 P

## ULTRASONIC PORTABLE FLOWMETER

*For Pipes Under pressure*



The FLT10 PN is an **ultrasonic portable flowmeter** for measurement of **bi-directional flow in pressurized (full) pipes** from ND 25mm up to 2000 mm. It provides **high accurate measures** without any insertion (tapping or drilling) by using external clamp on probes set ( range from 2Mhz to 500Khz depending on size and pipes material)

- Digital signal processing microprocessor
- Easy to configurate and use on field.
- Internal Logger storage up to 12 000 measures minimum
- Good value for money



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A **FLOW-LAB**  
Technologies

The ultrasonic portable flowmeter **FLT 10** PN is a digital flowmeter that provides very accurate flow measurement in pressurized pipes **from 25 up to 2000 mm diameters.**

It works on all kind of homogeneous fluid even if not conductive.

Internal recording of flow rate and volume with totalizer (Std capacity : 12 000 data)

#### **Technical Features**

Polyamid Enclosure case IP 67

Graphic back-lighted LCD screen display

Dimension : 140X280X68 mm

weight 1,5 kg

Power supply : internal rechargeable battery

Autonomy : up to 10 hours continuous use

External charger 110 / 220 Vac 50 / 60 Hz / 12 Vdc

External battery plug (12Vdc)

**Outputs** : Protected and galvanic

Current : 0 or 4-20 mA on 500  $\Omega$

Pulse rate configuration : 1 litre to 1000 m<sup>3</sup>

Pulse width : Adjustable from 100 to 1000m<sup>3</sup>

Flow direction switch relay (10 VA)

Relay for Alarm (if echo lost)

Graphic back-lighted LCD display

Flow in l/s l/h m<sup>3</sup>/s m<sup>3</sup>/h

Bidirectional flow and volume

2 Totalizers without reset + 1 totaliser with reset (direct way + 1 totaliser with reset (reverse way)

Com port RS 232 : 115.200 bauds

#### **Performances**

Accuracy : better than 0.5%\*

Linearity, Repeatability : 0,1 %

#### **External sensors**

Standard probes on mounted support for ND 10 to 80 mm - 2 MHZ

Standard probes on mounted support for ND 60 to 2 000 mm - 1MHZ

Special probes no mounted support for DN 100 to 2 000 mm 500 KHz

\* measured on bench test

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