



FLOWMETER

Compact flowmeter

Compact system suitable to be installed upstream of hydraulic modelers (weirs, venturi, palmer bowlus)

Solution with excellent price performance ratio

Instantaneous and totalized flow measurement

No. 2 freely programmable relays

MODBUS; Bluetooth communication protocol

Remote control via Smartphone

Flowmeter is an ultrasonic flow transmitter, temperature-compensated and suitable for connection with MODBUS RTU acquisition systems. FLOWMETER in addition to an analog output includes two freely addressable relay for flow threshold or for totalizer pulse output..

Technical Feature

Housing/sensor material

PC or Al / PP wetted part

Mechanical installation

2" GAS M (PP flange DN80 opt.)

Protection degree

IP67/IP68 (Sensor)

Electrical connection

Internal push connectors

Working temperature

-20 ÷ +60°C

Pressure

from 0,5 to 1,5 bar (absolute)

Power supply

20÷30Vdc | 11÷14Vdc

Power consumption

1,5W

Analog output

4...20mA, max 750ohm (4-wires versions)

Relays output

n°2 3A 230Vac (n.o.)

Digital communication

MODBUS

Max measure range

max 0.25 ÷ 5 m

In case of non perfectly reflecting surfaces, the maximum distance value will be reduced

Blind distance

0,25m

Temperature compensation

digital from -30 to 80°C

Accuracy

±0,2% (of the measured distance) not better than ±3mm.

Resolution

1mm.

Calibration

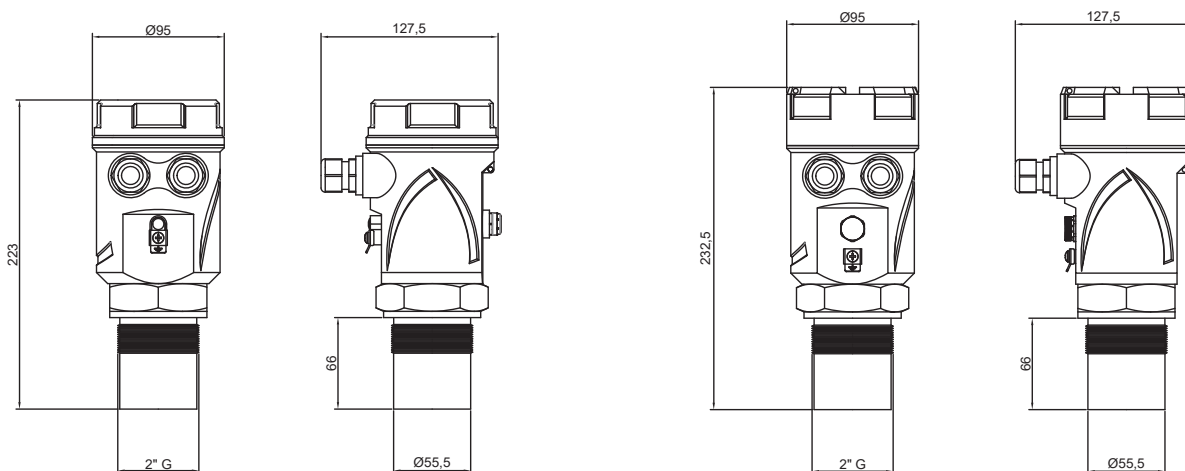
4 buttons or via MODBUS

Warm-up

5 minutes typical

LCD Display

Plug-in display/keyboard 4 buttons matrix LCD

**FLOWMETER**

Ultrasonic open channel flow control unit

Compact - Suitable for upstream installation in weir, Venturi, Palmer Bowlus (standard and non-standard)
G 2" A / PP threaded connection + nr. 1 2" BSP/PP fixing bolt
4÷20mA output with instantaneous flow transmission
Relay nr. 1 for impulses/volume transmission
Relay nr. 2 for threshold alarm or diagnostic
Setting by keyboard/display removable module (opt.)
or via BLUETOOTH with Android APP (opt.)
MODBUS RTU output. Housing with osmotic filter
Temperature range : -20° ÷ +60°C

Version	
0	4-wire, MODBUS, range 5m
9	Special
Housing / Sensor materials	
F	PC with transparent cap, IP67 / PP
U	Aluminum with transparent cap, IP67 / PP
Z	Special
Power supply	
4	20÷30Vdc
5	11÷14Vdc - max range 2,5m
9	Special
Accessories	
A	None
B	BLUETOOTH
C	DN80 PN6 UNI 6091-71/PP flange (600J001T)
D	VL601 keyboard/display programming module (VL601SGM)
S	MODBUS RTU communication software (010F119A)
Z	Special