



## 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**

12Vdc; 20÷30Vdc/Vac

**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**

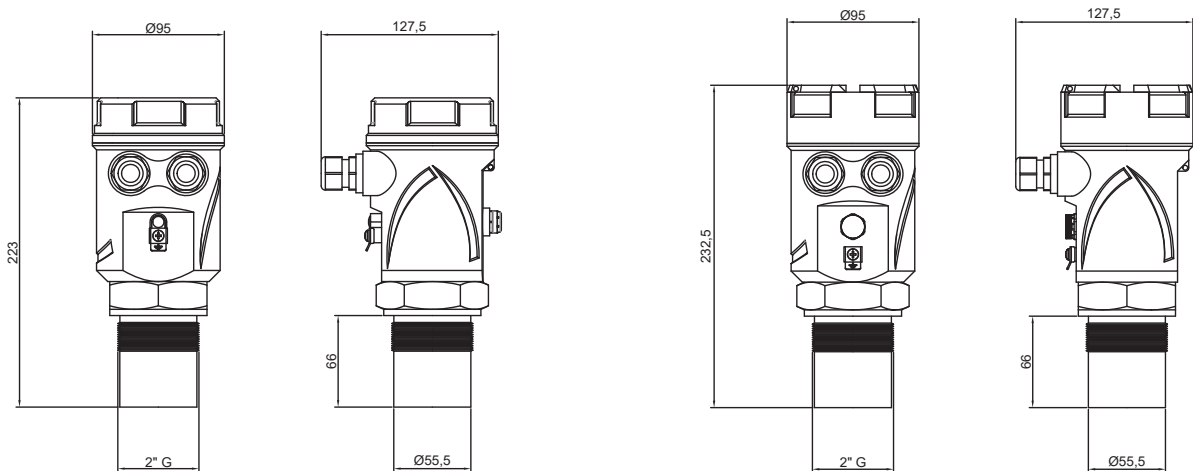
4 buttons or via MODBUS

**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                          | 12Vdc (max 20Vdc) - 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  |