FLOWMETER
compact flowmeter

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

Solution with excellent price performance ratio

Instantaneous and totalized flow measurement

No. 2 freely programmable relays

MODBUS communication protocol

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 FEATURES

Housing/sensor material
PC or Al / PP wetted part (only PVDF for ATEX certified vers.)
Mechanical installation
2" GAS M (PP flange DN80 opt.)
Protection degree
IP67/IP68 (Sensor)
Electrical connection
Internal push connectors
Working temperature -30 to +70°C; +80°C non-continuous
Pressure
from 0.5 to 1.5 bar (absolute)
Power supply
12vDC / 24vDC
Power consumption
1.5W
Analog output
4-20mA, max 750ohm (4-wire versions)
Relays output
n°2 3A 230vAC (n.o.)

Digital communication
MODBUS
Max measure range
max 0.25-5m
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.
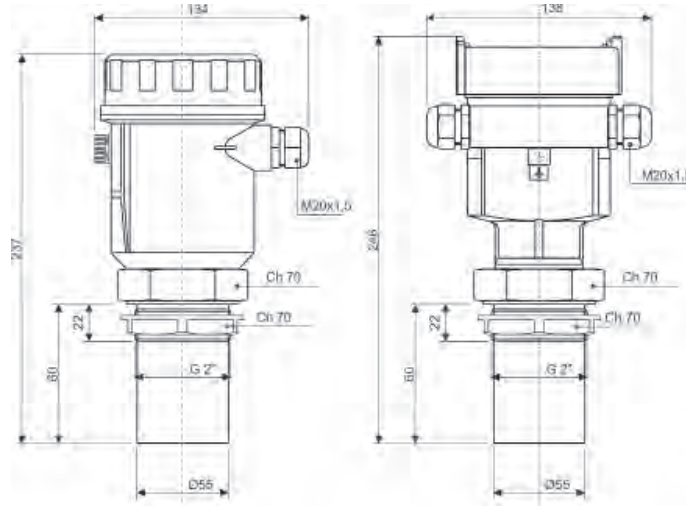**Resolution**
1mm.
Calibration
4 buttons or via MODBUS
Warm-up
5 minutes typical
LCD Display
Plug-in display/keyboard 4 buttons matrix LCD

LTH
Electronics

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
MODBUS RTU output. Housing with anti condensation filter
Temperature range : -20° to +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	24vDC (20-30vDC)
5	12vDC (max 20vDC)
9	Special

Accessories	
A	None
C	DN80 PN6 UNI 6091-71/PP flange (600J001T)
D	VL601 keyboard/display programming module (VL601SGM)
S	MODBUS RTU communication software (010F119A)
Z	Special

LTH
Electronics