RPL75
radar level transmitter

Compact unit with removable programming display, a module for level measurement (W-band) of liquids. Available in 4-wire version, with 2 programmable relays on different intervention thresholds and Modbus RTU serial communication. Connection to the 2"G threaded process made of PP (moplen) for compatibility with chemically aggressive environments. The measuring range is between 0.5 and 20 meters (on liquids) and is guaranteed only in the case of conductive liquids. The polycarbonate housing is equipped with a transparent cover for an immediate reading of the values.

- **Level measurement without contact for liquids and solids**
- **For liquids (max 20m) and solids (max 10m)**
- **Radar pulses W band**
- **Visualization and configuration on a removable display module**
- **Output 4 ÷ 20mA; 2 configurable relays**
- **Remote control via Smartphone**

TECHNICAL FEATURES

Frequency range
W band
Housing / sensor material
PC / PP
Mechanical installation
Threaded 2 "G; flange in PP optional
IP rating
IP67
Electrical connection
Terminals
Working temperature
-20 ° ÷ + 60 ° C

Process pressure
max 3 bar
Supply
24Vdc
Consumption
max 2W (4 wires)
Outputs
4 to 20mA
2 relays 3A 230Vac n.a.
Digital communication
MODBUS RTU (4 wires)
Maximum measuring range
20 meters (on conductive liquids)
Block distance
0.05 mt

Accuracy
± 0.5% not better than ± 2.5mm
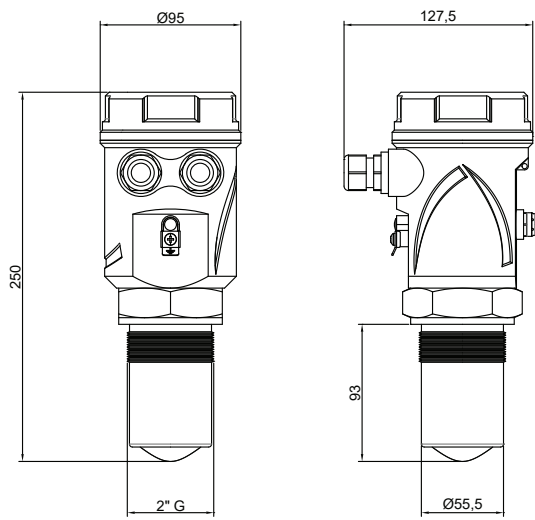**Resolution**
5mm.
Calibration
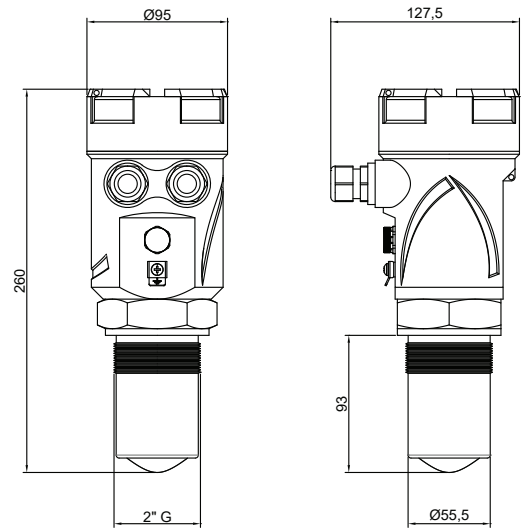through VL601 module; Modbus (4 files)
Thermal stabilization
1 minute typical
Visualization
VL601 extractable programming module (opt.) With 4 keys and matrix LCD

PC Housing

Aluminum Housing

RPL75   Radar level transmitter

Micro-waves FMCW
For liquids (max 20m) and solids (max 10m)
4÷20mA output + MODBUS RS485
2 frelays for alarms or pump control
G 2" / PP threaded connection + fixing bolt
Setting by keyboard/display removable module (optional)
or via BLUETOOTH with Android APP
IP67 housing with anti-condensate filter
Working temperature: -20° ÷ +60°C

Version		
8	4-wire, range 20m, 2 relays, MODBUS	
9	Special	

Housing / Sensor materials		
F	PC with transparent cap / PP	
L	PC with blind cap / PP	
S	Aluminum with transparent cap / PP	
Z	Special	

Power supply		
4	24Vdc (20÷30Vdc)	
9	Special	

Accessories		
A	None	
B	BLUETOOTH	
C	DN80 PN6 UNI 1092-1/ PP flange (600J001T)	
D	Display/programming module VL601 (VL601SGM)	
S	MODBUS communication software (010F105A)	
Z	Special	