



RPL75 Radar level transmitter

Level measurement without contact for liquids

Range 20m

Radar pulses 80Ghz

Visualization and configuration on a removable display module

Output 4 ÷ 20mA; 2 configurable relays

Remote control via Smartphone

Compact unit with removable programming display, a module for level measurement 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 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.

Technical Feature

Frequency range

80Ghz

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; 12Vdc

Consumption

max 2W (4 wires)

Outputs

4 to 20mA

2 relays 3A 230Vac n.a. resistive

Digital communication

MODBUS RTU

Maximum measuring range

20 meters (on conductive liquids)

Blind distance

min 0,05m (suggested 0,1m)

Accuracy

measurement deviation ± 5mm

(if distance <250mm ± 10mm)

Resolution of digital measurement

2mm.

Calibration

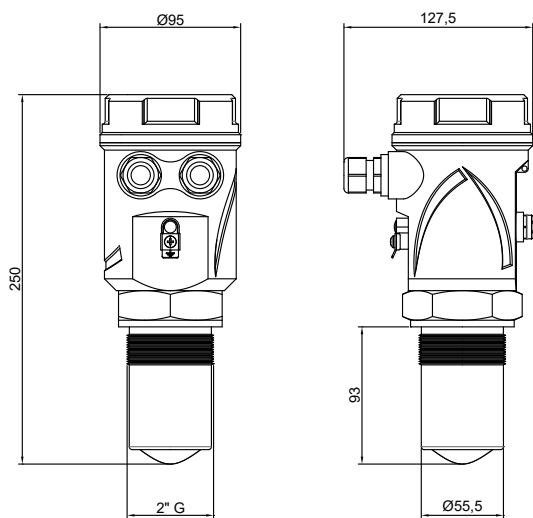
through VL601 module; Modbus

Thermal stabilization

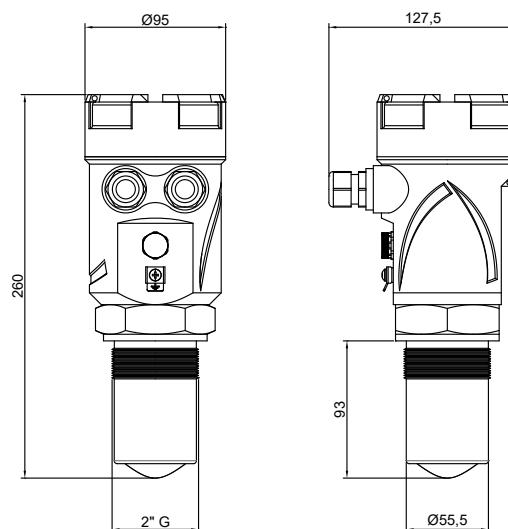
1 minute typical

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. distance 20m
 4÷20mA output + MODBUS RS485
 2 relays for alarms or pump control
 G 2" / PP threaded connection + fixing bolt
 Setting by keyboard/display removable module (opt.)
 or via BLUETOOTH (opt.) with Android APP
 IP67 housing with osmotic 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)
5	12Vdc
9	Special
Accessories	
A	None
B	BLUETOOTH
C	DN80 PN6 UNI 1092-1/ PP flange (600J001T)
D	Display/programming module VL601 (VL601SGM)
P	PP sensor extension for a total insertion of 250 mm
S	MODBUS communication software (010F105A)
Z	Special