



RPL55
Radar level transmitter

Continuous level measurement without contact for liquids, pastes and slurries

Range 10 m

Process pressure 3 bar

2 / 4 wires technology

Pulse Radar at 26 GHz (K-band)

ATEX

RPL55 is a radar sensor for continuous measurement on liquids, even chemically aggressive, in the presence of not particularly heavy process conditions. Suitable for level measurement in tanks with 1½ "G threaded connections. The small antenna allows the installation in calm pipes or in small tanks, moreover the availability of different measures of the antenna extension allow installation in the presence of insulation or other thicknesses to overcome.

Technical Feature

Frequency

K group (26GHz)

Housing / Antenna material

aluminum; PVDF

Mechanical installation

threaded G 1½

IP rating

IP67/IP68 (Sensor)

Electrical connection

Terminals

Working temperature

Antenna PVDF -40 ÷ +130°C

Pressure

-1 ÷ 3 bar

Power supply

24Vdc; 230Vac

Certification

ATEX

Analog output

4÷20mA

Digital communication

HART / MODBUS

Measure range

10 mt

Accuracy

±10mm

Resolution

1mm.

Calibration

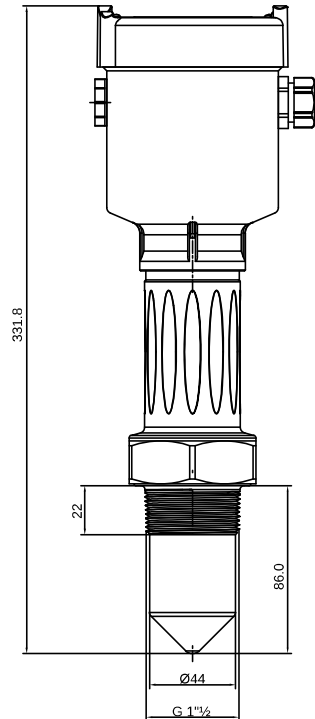
4 buttons or via HART / MODBUS

Warm up

5 minutes

Display

Plug-in display/keyboard 4 buttons matrix LCD



RPL55 Radar level transmitter
 Micro-waves pulse 26GHz group K
 For liquids measurement also with strong erosive products
 Max distance: 10m
 Accuracy: ±5mm
 Process pressure: -1+3bar

Version	
I	ATEX II 1 G/D Ex ia IIC T6...3 Ga / Ex ia IIIC T76°C...T146°C Da - only with G housing and B electronic
P	Standard
Antenna shape / Material / Process temperature	
B	Mono-pole / PVDF / -40° ÷ +130°C
Process connection / Material	
GP	Thread G 1"½ / PVDF
ZZ	Special
Non sensitive part (for nozzle mounting)	
A	100 mm
B	200 mm
Electronic preamplifier	
A	None
B	4÷20mA HART (2-wire); 24Vdc - compulsory for ATEX version
C	4÷20mA HART (4-wire); 24Vdc
D	4÷20mA HART (4-wire); 230Vac
R	10÷30Vdc MODBUS RTU
Housing / Housing protection / Antenna protection	
D	Aluminum 2 chambers (for 4-wire versions) / IP67 / IP68
G	SS316L / IP67 / IP68 - compulsory for ATEX version
U	Aluminum with transparent cap / IP67 / IP68
Z	Special
Cable entry	
M	M20x1,5
Keyboard/display programming module VL602	
A	Yes
X	No