

radar level transmitter

Non-contact liquid level sensor for continuous measurement

Measure range 20 mt

Radar pulses 80GHz

IP67/IP68 (Sensor) - IP68 opt.

4÷20mA output

2 configurable relays



Compact unit for level measurement of liquids, it is unaffected by temperature fluctuations, high pressure and condensation. Thanks to his precise signal focusing it provides a reliable and accurate measurement.

It can be easily configured by:

- on-board push buttons (IP67 version only)
- display/programming module
- MODBUS RTU s/w 010F105A
- BLUETOOTH + Level APP

4-20mA and MODBUS outputs enable the continuous transmission of the measurement to analogical and digital acquisition systems.

Two configurable relays can be used as local alarm threshold and pumps drive/control. One relay can be programmed as operating alarm, making it suitable for unattended applications. Constructed entirely of PP, it is particularly indicated in presence of corrosive media (acid vapors) and therefore in storage tanks. Typical applications include water lifting and treatment plants as well as sea and rivers level monitoring

TECHNICAL FEATURES

Housing / sensor material

PP

Mechanical installation

Threaded 2 "G; flange in PP optional

IP rating

IP67 - IP68 opt.

Electrical connection

Terminal blocks or waterproof connector IP68 (opt.)

Working temperature

-30 ÷ +70°C; +80°C non-continuous

Pressure

from 0,5 to 1,5 bar (absolute)

Power supply

24Vdc

Power consumption

5W max; 2,5W average

Analog output

4...20mA, max 750ohm

Relays output

n°2 3A 230Vac (n.a.)

Digital communication

MODBUS RTU

Max measure range

0.05 ÷ 20mt

In case of non perfectly reflecting surfaces, the maximum distance value will be reduced

Blind distance

0,05m

Accuracy

±0,5% (of the measured distance) not better than ±3mm.

Resolution

2mm.

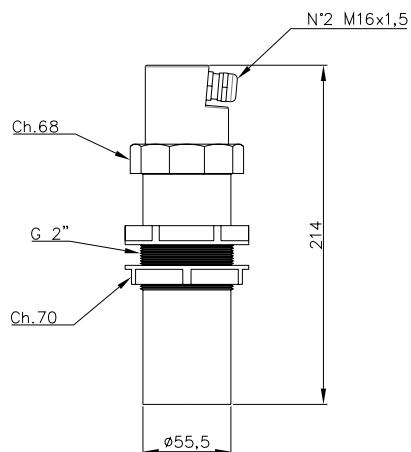
Calibration

vers. IP66 display opt. (PENDING) - 2 buttons - modbus /

vers. IP68 display (PENDING) - modbus

Display

module (opt.) with 4 keys and LCD (PENDING)



Radar level transmitter

Micro-waves - For liquids and solids

Max. distance 20m

Output: 4÷20mA + RS485 MODBUS

2 relays for alarms or pump control

Calibration by 2 push-buttons, by display module (opt.) via

MODBUS or via BLUETOOTH (opt.)

G 2"/PP threaded connection + nr 2 2" BSP/PP fixing bolts

Working temperature: -30° ÷ +70°C

| Version | |
|------------------|--|
| 1 | IP67 |
| 2 | IP68 |
| Housing material | |
| B | Polypropylene (PP) |
| Z | Special |
| Power supply | |
| 4 | 24Vdc |
| 5 | 12Vdc |
| Accessories | |
| A | None |
| B | BLUETOOTH |
| C | DN80 PN6 UNI 1092-1 flange in PP (600J001T) |
| D | Keyboard/display programming module with 1,5 m cable |
| S | S/W for MODBUS communication (010F105A) |
| T | Couple of 5m cables with IP68 female connector (for versions 2) |
| U | Couple of 10m cables with IP68 female connector (for versions 2) |
| V | Couple of 15m cables with IP68 female connector (for versions 2) |
| W | Couple of 20m cables with IP68 female connector (for versions 2) |
| Z | Special |