

- Ultrasonic level transmitter
- Range 0.05 ÷ 1.5 meters
- Blind zone 5 cm
- IP68
- Suitable for measuring of liquids
- Comm. Protocol MODBUS RTU
- Power supply 24 Vdc
- Output: 4 ÷ 20 mA analogue output



Non-intrusive level measurement systems are the preferred technology for many applications and for this reason it developed these level/distance transmitters. These units are compact with a unique simplicity of commissioning. Calibration and transmitter configuration is possible, even remotely, thanks to a MODBUS RTU connection together with the related software for the PC, or via display unit. The IP68 transmitter protection allows installation in underground wells.

## TECHNICAL FEATURES

### Housing material

PP

### Mechanical installation

1" GAS M - PP flange DN100/125 opt.

### Protection degree

IP68

### Electrical connection

IP68 male connector with 5/10/15/20m linking cable

### Working temperature

-25 ÷ +75°C

### Pressure

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

### Power supply

24Vdc

### Power consumption

1.5W

### Analog output

4÷20mA max 750ohm

### Digital communication

MODBUS RTU

### Range

0.05÷1.5m

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

### Temperature compensation

digital in the working temperature

### Accuracy

±0,2% (of the measured distance) not better than ±3mm

### Resolution

1mm

### Calibration

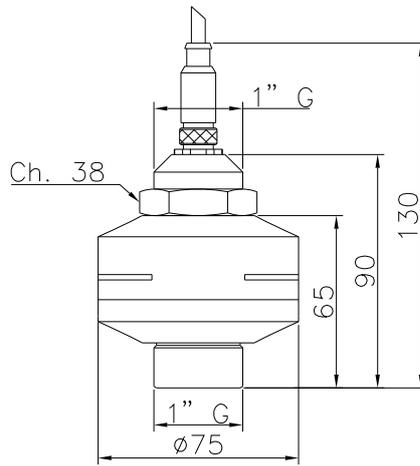
Prog. module with 4 buttons or by MODBUS

### Warm-up

30 minutes

### Display

matrix LCDdisplay on module (opt.)



**Level transmitter**

Ultrasonic - for measurement in liquids, muds and acids;  
 Range: 0,05 ÷ 1,5m; IP68 proof  
 Housing in polypropylene (PP)  
 Calibration by units or via MODBUS  
 Power supply 24Vdc - Output 4÷20mA + MODBUS  
 Temperature range -25 ÷ +75°C

Version	
<b>E</b>	With SS316 male connector
<b>Z</b>	Special
Process connection / Sensor material	
<b>0</b>	G 1" / PP + n. 1 1" BSP / PP fixing bolt
<b>1</b>	DN100 PN6 UNI 1092-1 flange / PP
<b>9</b>	Special
Accessories	
<b>A</b>	None
<b>F</b>	MODBUS PC communication S/W (010F105A)
<b>H</b>	Extension for PTU5x L=250mm in PP + DN100 flange
<b>L</b>	Adjustable extension for PTU5x in PP + DN100 flange (Lmin= 85mm Lmax=690mm)
<b>T</b>	IP68 female connector with 5m linking cable
<b>U</b>	IP68 female connector with 10m linking cable
<b>V</b>	IP68 female connector with 15m linking cable
<b>W</b>	IP68 female connector with 20m linking cable
<b>Z</b>	Special