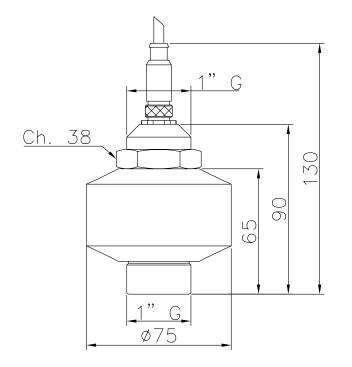**Range 0.05 ÷ 1.5 meters**

Blind zone 5 cm

IP67|68

Suitable for measuring of liquids

MODBUS RTU/BLUETOOTH comm. protocol

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 we have developed the level/distance transmitters PTU50. 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 VLW90M / VLW60T display unit.The IP68 transmitter protection allows installation in underground wells.

Technical Features

Housing material
PP
Mechanical installation
1"GAS M - PP fl ange DN100 opt.
Protection degree
IP67|68
Electrical connection
IP67 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 refl ecting 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
VLW90M / VLW60T prog. module or by MODBUS
Warm-up
30 minutes
Display
LCD display on VLW90M;VLW60T; VLW602 (opt.)

PTU50 Level transmitter

Ultrasonic for measurement in liquids and muds
Range: 0,05 ÷ 1,5m; IP67 / IP68 proof
Housing in polypropylene (PP)
Calibration by VLW60T / VLW90M units or via MODBUS
Power supply 24Vdc - Output 4÷20mA + MODBUS
Temperature range -25 ÷ +75°C

Version	
E	With SS316 male connector / IP67
L	With 10m integrated cable / IP68
P	With plastic (PA) male connector (with M accessory) / IP67
Z	Special

Process connection / Sensor material	
0	G 1" / PP + n. 1 1" BSP / PP fixing bolt
1	DN100 PN6 UNI 1092-1 flange / PP
9	Special

Accessories	
A	None
F	MODBUS PC communication S/W (010F105A)
H	Extension for PTU5x L=250mm in PP + DN100 flange
L	Adjustable extension for PTU5x in PP + DN100 flange (Lmin= 85mm Lmax=690mm)
M	IP67 female connector in plastic (PA) with 5m cable - for P version
N	Junction box / IP68
R	100mm extension
T	IP67 female connector in SS316 with 5m cable
U	IP67 female connector in SS316 with 10m cable
V	IP67 female connector in SS316 with 15m cable
W	IP67 female connector in SS316 with 20m cable
Y	Cable for Junction box - price per meter
Z	Special