PTU50

Ultrasonic level transmitter

Range 0.05 ÷ 1 m
Blind zone 5 cm
IP67|68
Suitable for measuring of liquids
MODBUS RTU comm. protocol
Power supply 24 Vdc
Output: 4 ÷ 20 mA analogue output

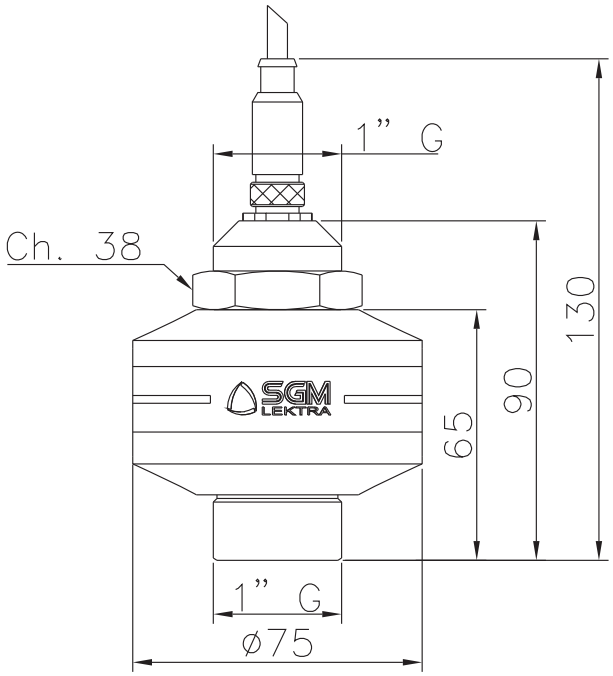
Non-intrusive level measurement systems are the preferred technology for many applications and for this reason SGM-LEKTRA developed the level/distance transmitters PTU50. These units are compact with a unique simplicity of commissioning. Calibration and transmitter configuration is possible, even remotely, thanks to a MODBUS RTU connection together with the related software for the PC, or via VLW90M / VLW60T / VLW602 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
-20 ÷ +60°C
Pressure
From 0,5 to 1,5 bar (absolute)
Power supply
20÷30Vdc

Power consumption
1.5W
Analog output
4÷20mA max 750ohm
Digital communication
MODBUS RTU
Range
0.05÷1m
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; VLW602 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 ÷ 1m; IP67 / IP68 proof
Housing in polypropylene (PP)
Calibration by VLW60T/ VLW602/VLW90M units or via MODBUS
Power supply 20÷30Vdc - Output 4÷20mA + MODBUS
Temperature range -20 ÷ +60°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
	J	Junction box in PC 6 way IP65 (490B074C)
	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
	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