FLOW51
Compact flowmeter

Compact system suitable to be installed upstream from hydraulic modelers (weirs, venturi, palmer bowlus)

Excellent price-performance ratio

Istantaneous and totalized flow measurement

Measure range 0.3÷6m

MODBUS; Bluetooth communication protocol

Remote control via Smartphone

IP67|68

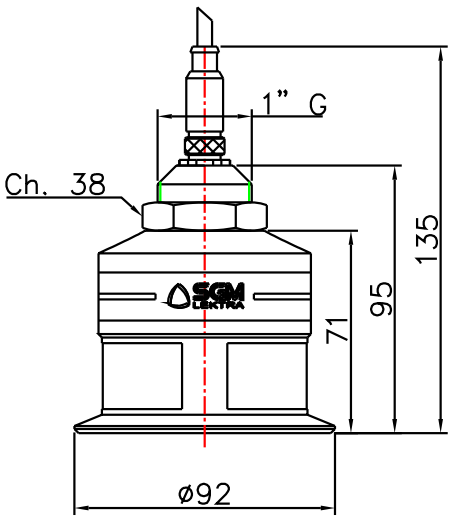
FLOW51 is a compact IP68 ultrasonic flow transmitter, suitable for the installation in flood-prone wells. The measurement is based on the principle of the raising of the water level before restriction, which is used to calculate the value of instantaneous flow in relation of the type of the existing flume. FLOW51 can be calibrated via MODBUS RTU; Bluetooth or VLW60T if used with SGM LEKTRA Venturi flumes, Palmer Bowlus, Parshall flumes, Khafagi Venturi flumes and all the main types of weirs. In case of non-standard flumes the unit can be calibrated by following the linearization table present on the manual or by using a customized flow formula..

Technical Feature

Housing material
PP
Mechanical installation
1”GAS M - PP fl ange DN100/125 opt.
Protection degree
IP67|68
Electrical connection
IP67|68 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/Vac
Power consumption
1.5W

Analog output
4÷20mA max 750ohm
Digital communication
MODBUS RTU
Range
0.3÷6m
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
Via App; MODBUS
Warm-up
30 minutes
Display
LCD display on VLW60T module (opt.)



FLOW51 Ultrasonic open channel flow control unit

Compact - Suitable for upstream installation in weir,
Venturi , Palmer Bowlus (standard and non-standard)
4÷20mA output with instantaneous flow transmission + MODBUS RTU
Range: 0,3 ÷ 6m; IP67/68 proof - Housing in polypropylene (PP)
Power supply 20÷30Vdc
Calibration via BLUETOOTH Android APP
Temperature range -20 ÷ +60°C

	Version	
	E	With SS316 male connector / IP67
	L	With 10m integrated cable / IP68
	Z	Special
	Process connection / Sensor material	
	0	G 1" / PP + nr. 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 (010F119A)
	H	Extension L=250mm in PP + DN100 flange
	L	Adjustable extension for PTU5x in PP + DN100 flange (Lmin= 85mm Lmax=690mm)
	N	Junction box / IP68
	T	IP67 female connector with 5m linking cable
	U	IP67 female connector with 10m linking cable
	V	IP67 female connector with 15m linking cable
	W	IP67 female connector with 20m linking cable
	Y	Cable for Junction box - price per meter
	Z	Special