VLW90M

Level control, flow rates

6 independent level measurements
2 open channel flow measurements
2 volume measurements
1 differential level measurement
pumps control (raising) up to 5 immersed pumps
2 analog output 4÷20mA
1 modbus slave output
5 fully confi gurable relay
2 open collector digital output
2 analog input 4÷20mA
2 digital input (max. 24Vdc 10mA)
Datalogger via Pen Drive USB (optional)

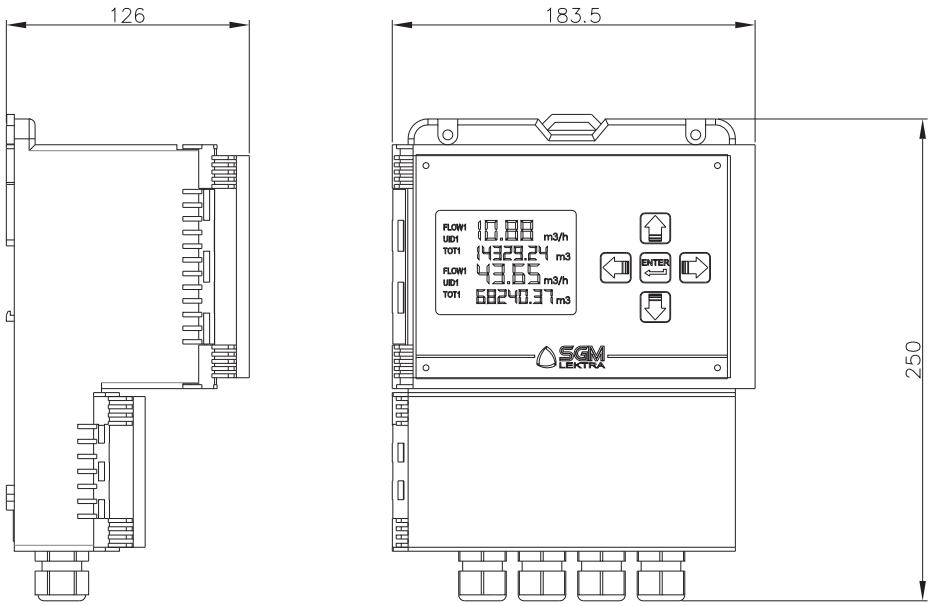
VLW90M, a single unit suitable for different applications.Level measurements, difference between levels, open channel fl ow (hydraulic jump)and pumps control.Different measurement functions directly settable via the keyboard. VLW90M can be connected to ultrasonic sensors and/or to 4÷20mA level transmitters. VLW90M has been developed for the connection to 1 or 2 MODBUS sensors, but it can support up to 8 PTU, METER,RPL81 or KTU units if externally powered. A remarkable note is the data logger on removable pen-drive, which enables the total traceability of the measurements. It is particularly suitable for the Analytical of the flow rate timing in open channel applications.

Technical Feature

Housing material
ABS
Mechanical installation
Wall, pipe or DIN rail mountin
Protection degree
IP66
Keyboard
5 push buttons
Display
320x240 matrix color backlit LCD

Electrical connection
Internal connectors
Working temperature
-20 ÷ +60°C
Power supply
85÷265Vac; 20÷30Vac/Vdc
Power consumption
Max. 10W
Analog output
n.2 configurable isolated 4÷20mA
Relays output
n.5 fully configurable relay (5A 250Vac)

Digital output
n.2 open collector (max. 24Vdc 50mA)
Analog input
n.2 4÷20mA
Digital input
n.2 (max. 24Vdc 10mA)
Digital communication
MODBUS RTU
Datalogger
on Pen Drive USB; max.32GB (FAT32)
Power supply for analog transmitters
24Vdc; 200mA max



VLW90M Level, open channels flow and pumps control unit

Directly connectable to SGM ultrasonic/radar sensors (4-wire) via MODBUS RTU.
Can accept max. 2 analogic sensors 4÷20mA
Matrix 320 x 240 backlit color LCD display
Wall or DIN rail mounting
5 calibrating push-buttons
IP66 mechanical protection; temperature range : -20 ÷ +60°C

	Version	
	2	Standard with data logger
	4	Standard without data logger
	9	Special
	Relay	
	C	5 Relays with change over contact (SPDT)
	Power supply	
	1	85÷265Vac 50÷60Hz
	4	20÷30Vdc/Vac
	Output	
	B	n.2 optoisolated 4÷20mA + n.2 optoisolated open collector
	Field Bus	
	1	MODBUS RTU
	9	Special
	Accessories	
	A	None
	C	Wall mount protection plate in SS304