



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 configurable 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 flow (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

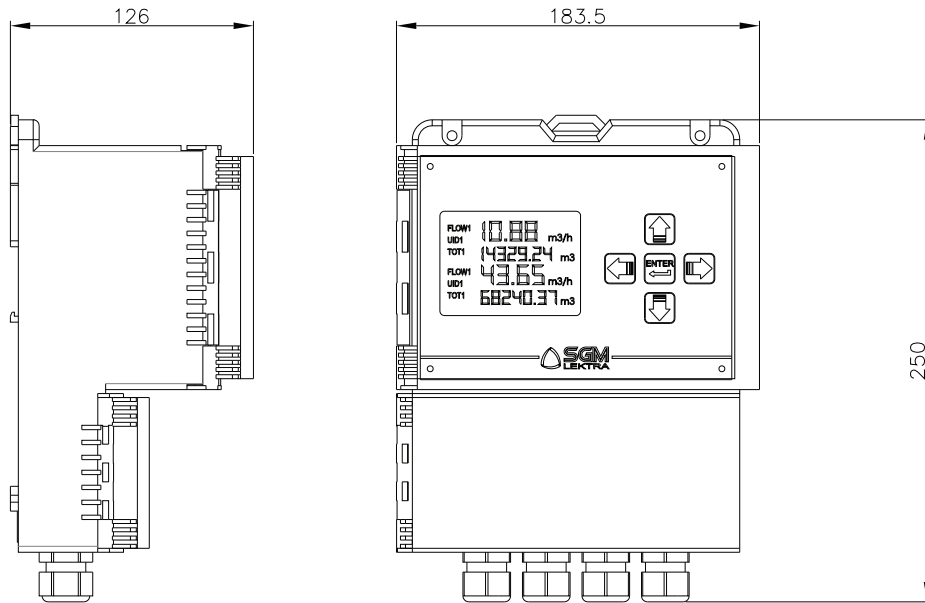
MODBUS RTU

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 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
3	Neutral with data logger
4	Standard without data logger
5	Neutral 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