

■ GENERAL DESCRIPTION

MEGAUF89 Series ultrasonic flow meter system for open channels employs the latest in ultrasonic technology.

Utilizing our wealth of know-how and technical expertise, the MEGAUF89 Series ultrasonic open channel flow meter provide accurate and stable flow measurements.

It is applicable for liquids with free surfaces such as agricultural water, river water, waste water and industrial effluents.



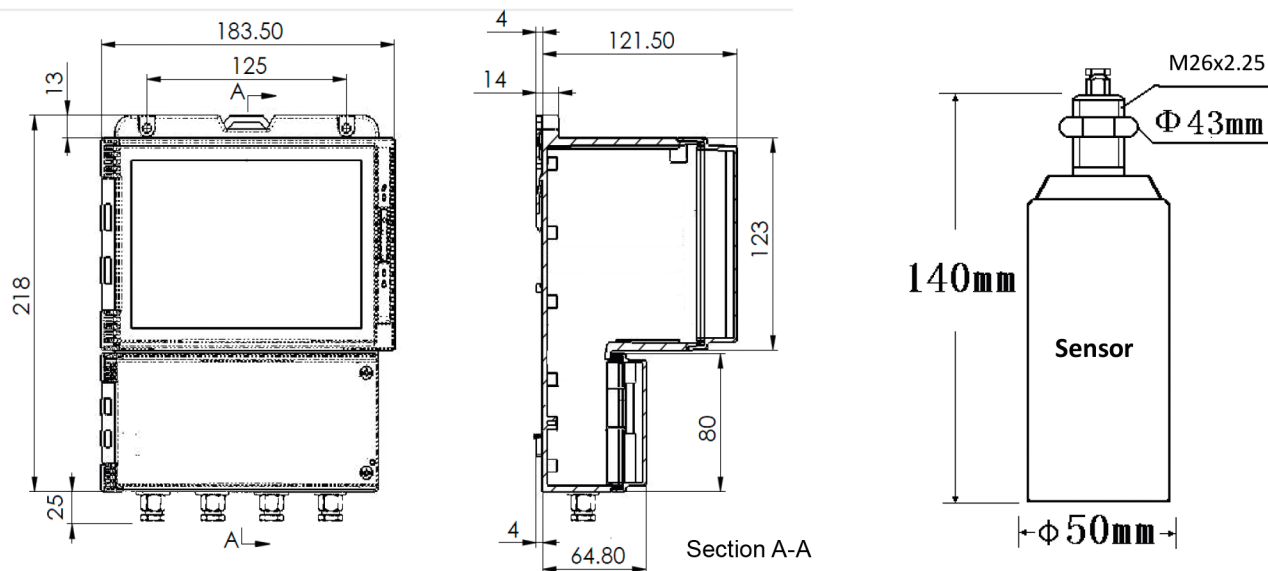
■ FEATURES

- MEGAUF89 Series Open Channel Flowmeter can show level, space, distance, time or flow on the display.
- The relays can be programmed to activate alarms, pump starters, or other control equipment. There is an isolated 4-20 mA output that can be connected to a chart recorder or PLC, to monitor level space or distance, independently from that shown on the display.
- There is an RS485 port, so that the MEGAUF89 Series Open Channel Flowmeter can be operated remotely by a PC or other equipment.
- All the parameters are stored in non-volatile memory, so the information is retained in the event of power interruption.

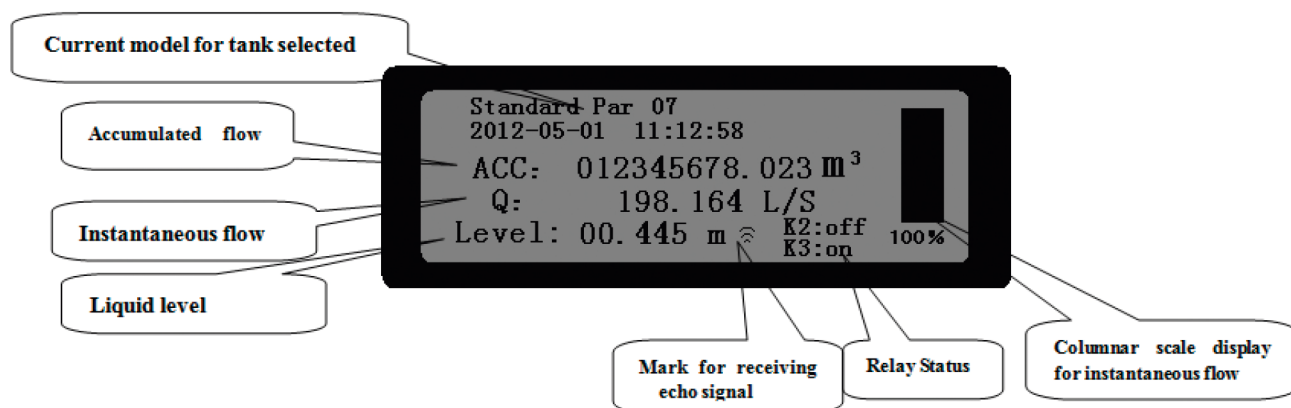
■ STANDARD SPECIFICATIONS

Flow range	0 L/m ³ ~100m ³ /s (confirmed by measuring weir tank size)
Total flow	12 digit of decimal number, auto-zero after the expiration of the cumulative
Flow accuracy	3%
Distance measuring range	3m
Distance measuring accuracy	0.25%
Liquid level distinguish	1mm
Ambient temperature	-20~70℃
Protection level	display part: IP65; probe part: IP67
Power supply	220VAC or 24V DC
Output	4~20mA current output: (corresponding to flow rate) Maximum loading resistance: 750Ω
Communication	RS485 interface
Relay output	4 way relay output Pulse output relay (K1) High alarming relay (K2) Low alarming relay (K3) duplicate relay (K4) : design as required
Display	192*64 LCD
Max. Cable Length	50m

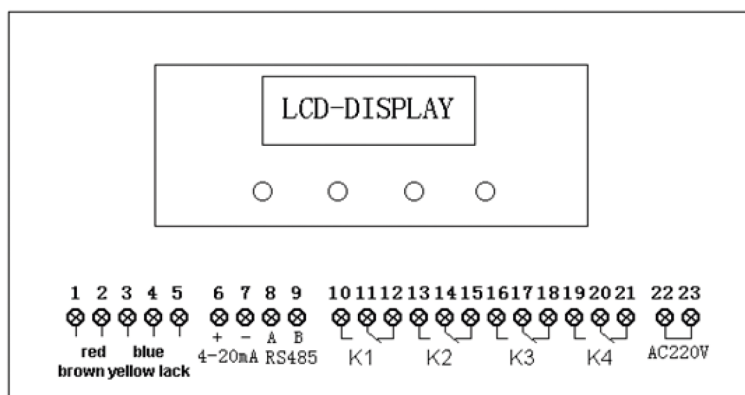
DIMENSION



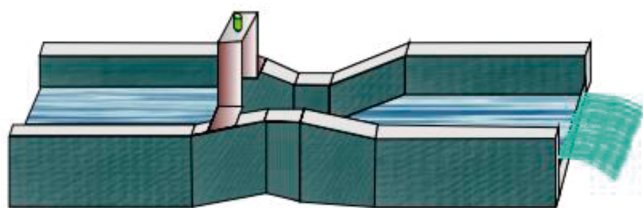
MENU DISPLAY



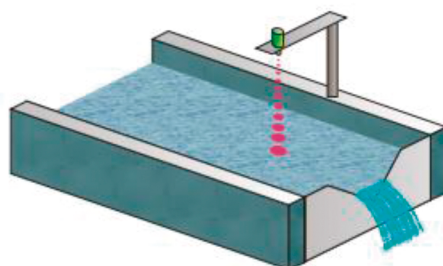
WIRING



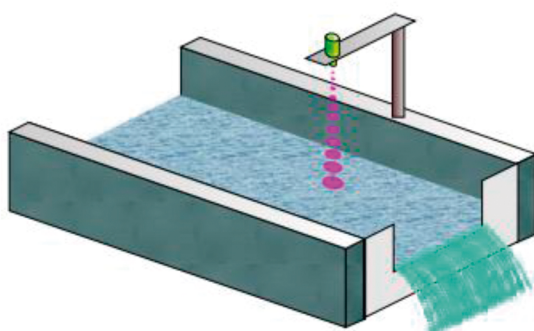
■ INSTALLATION



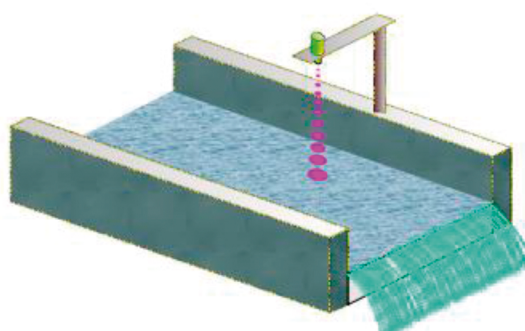
Parshall



V-notch



Rectangular



Rec Rectangular

■ MODEL SELECTION

Example: MEGAUF89-C-A3-A-S

MEGAUF89	-X	-X	-X	-X	
Output	C				4~20mA
	R				4~20mA+RS485
Alarm	NN				Without alarm output
	A1				Pulse output relay K1
	A2				High and Low alarm relay K2/K3
	A3				Three relay including K1, K2 and K3
	A4				Four relay including K1, K2, K3 and K4
Power Supply			A		220VAC
			D		24VDC
Cable Length				S	10m
				Z	Others