

■ GENERAL DESCRIPTION

MEGAUL Ultrasonic level meter is a kind of Intelligent non-contact level meter. This product offers automatic power control, gain control, temperature compensation. Using advanced detecting and computing technology to suppress jamming signal to improve measuring accuracy. This product can be widely used in measuring all kinds of liquid level and solid material level.

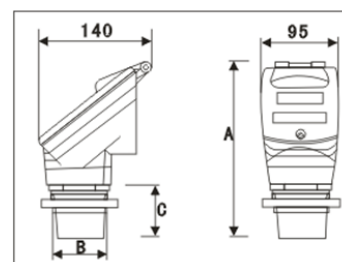
■ STANDARD SPECIFICATIONS

	Integral type	Integral type	Split type
Product picture			
Model	MEGAUL-2	MEGAUL-3	MEGAUL-4
Wiring	2-wire	3-wire for 24VDC 4-wire for 220VAC	3-wire for 24VDC 4-wire for 220VAC
Measuring range	5m, 10m, 15m	5m, 10m, 15m, 20m	5m,10m,15m,20m,30m,40m,50m
Accuracy	0.3% (full scale)	0.25% (full scale)	0.25%(range<20m), 0.5%(range>20m)
Resolution	1mm	1mm	1mm (range<20m) ,1cm(range>20m)
Blind area	0.3~0.6m	0.2~0.6m	0.3~1.5m
Display	4 digit LCD, backlight	LCD 16x2, backlight	LCD 16x2, backlight
Display Mode	Liquid level, distance	Liquid level, distance	Liquid level, distance
Working temperature	-20℃~80℃	-20℃~80℃	-20℃~80℃
Protection	IP65	IP65	Sensor IP67, Converter IP65
Output signal	2 wire 4-20mA	2 wire 4-20mA	2 wire 4-20mA
Communication	No	RS485 (optional)	RS485 (optional)
Control	No	Two way relay	Four-way relay (contact capacity 220V/3A)
Power supply	DC24V(18-30V)	24VDC or 220VAC	85-264V(standard) or DC18-35V or DC110-370V or Dual power supply
Sensor type	Normal or Anti-corrosion	Normal or Anti-corrosion	Normal or Anti-corrosion

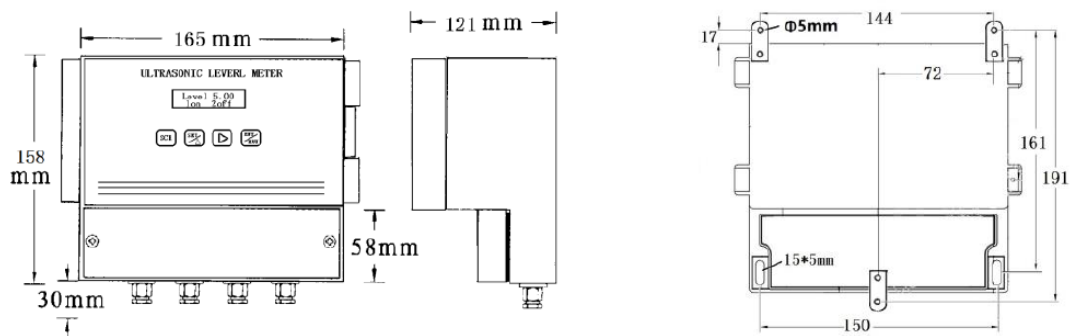
■ PRODUCT DRAWING

Integral type

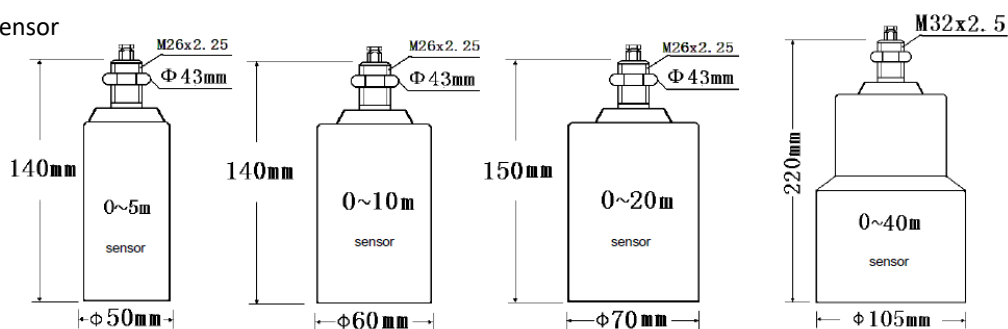
Range	Normal type			Anti-corrosion type		
	A	B	C	A	B	C
5m	220mm	M58x2	74mm	220mm	M58x2	66mm
10m	220mm	M66x2	74mm	220mm	M70x2	66mm
15m	237mm	M70x2	85mm	237mm	M75x2	90mm
20m	237mm	M70x2	85mm	237mm	M75x2	90mm



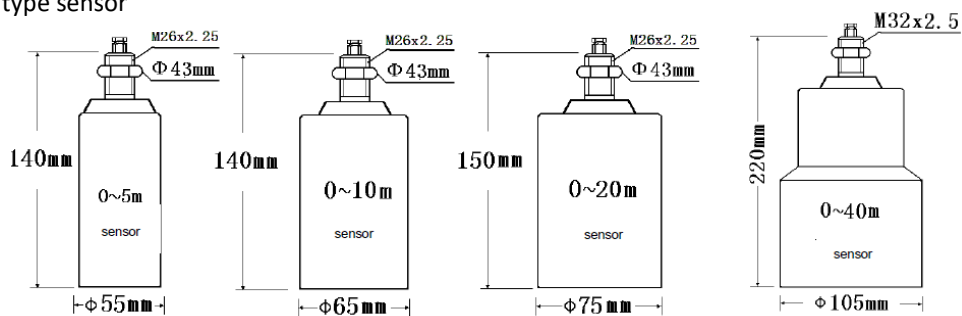
Split type



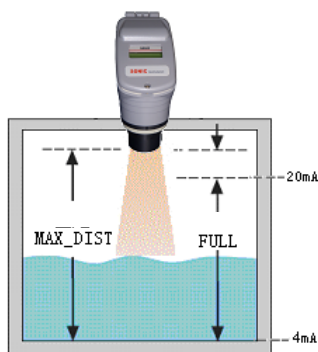
Normal type sensor



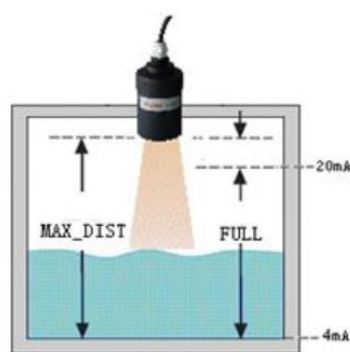
Anti-corrosion type sensor



■ INSTALLATION DRAWING



Integral type



Split type

■ MODEL SELECTION

Example: MEGAUL-2/2/1/1/0/0/D/N										
MEGAUL	- X	/X	/X	/X	/X	/X	/X	/X		
Structure	2								2-wire Integral type	
	3								3-wire or 4-wire Integral type	
	4								Split type	
Wiring	2								2-wire / 24VDC	
	3								3-wire / 24VDC	
	4								4-wire / 220VAC	
Measuring range	1								0-5m	
	2								0-10m	
	3								0-15m	
	4								0-20m	
	5								0-30m	
	6								0-40m	
	7								0-50m	
Output signal			0					None		
			1					4-20mA		
Communication				0				None		
				R				RS485		
Relay output						0			None	
						2			Two relay	
						4			Four relay	
Power supply							A	220VAC		
							D	24VDC		
							Z	Dual power supply for split type		
Sensor type							N	Normal type		
							A	Anti-corrosion type		

Note: selection method for the 2-wiring, 3-wiring and 4-wiring

Model	Structure	Power supply	Wiring
MEGAUL-2	Integral	24VDC	2-wire
MEGAUL-3	Integral	24VDC	3-wire
MEGAUL-3	Integral	220VAC	4-wire
MEGAUL-4	Split	24VDC	3-wire
MEGAUL-4	Split	220VAC	4-wire