

PRODUCT OVERVIEW

LEVEL MEASUREMENT

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Ultrasonic Level Meter UL20 UL30 UL40

PROFILE

The Ultrasonic level meters are used to measure material level, which is non-contact, of high reliability, cost-effective, easy to install and maintain. They meet the requirements of material level without the contact and own the independent property rights with development for many years by our company.



UL30



UL20



UL40

SPECIFICATIONS:

Function	Integrated type(UL20/UL30)	Split type(UL40)					
Range	5m,10m,15m,20m,30m,40m,50m,60m	5m,10m,15m,20m,30m,40m,50m,60m,70m					
Accuracy	0.25%-0.5%	0.25%-0.5%					
Resolution	3mm or 0.1% (bigger)	3mm or 0.1% (bigger)					
Display	Chinese and English LED	Chinese and English LED					
Analog Output	Four-wire 4 ~ 20mA/510Ωload Two-wire 4 ~ 20mA/250Ω load	$4 \sim 20$ mA/510 Ω load					
Relay Output	Two groups: AC 250V/ 8A or DC 30V/ 5A Status can be programmed	Two groups for single channel Four groups for double channels AC 250V/ 8A or DC 30V/ 5A Status can be programmed					
Power supply	Standard:24VDC Optional: 220V AC+15% 50Hz	Standard:220V AC+15% 50Hz Optional:24VDC or 120mA Customized:12VDC or battery					
Environment	LED : -20 ~ +60 °C ,	LED : -20 ~ +60 °C ,					
Temperature	Probe : 20 ~ +80 °C	Probe : 20 ~ +80 °C					
Communication	Option:485,232 Communication	Option:485,232 Communication					
	(manufactures agreement)	(manufactures agreement)					
Protection Grade	LED: IP65,	LED: IP65,					
	Probe: IP68	Probe: IP68					
Cable Probe	No	standard:10m; 100mmax					
Probe installation	According to the range and the probe type	According to the range and the probe type					
	Four-wire system	Power supply:24V,					
Power Consumption	Power supply:24V,	No relay: 100mA					
	No relay: 80mA	Channel 1 of Relay: 120mA;					
	Channel 1 of Relay: 105mA;	Channel 2 of Relay: 145mA;					
	Channel 2 of Relay: 130mA;	Channel 3 of Relay: 170mA;					
	The specific power is as follows:	Channel 4 of Relay: 190mA;					
	No relay: 24×80mA=1.9W;	The specific power is as follows:					
	Channel 1 of Relay: 24×105mA=2.5W;	No relay: 24×100mA=2.4W;					
	Channel 2 of Relay: 24×130mA=3.1W;	Channel 1 of Relay: 24×120mA=2.9W;					
	Two-wire system	Channel 2 of Relay: 24×145mA=3.5W;					
	Power supply:24V,	Channel 3 of Relay: 24×170mA=4.1W;					
	No relay: 30mA	Channel 4 of Relay: 24×170mA=4.1W, Channel 4 of Relay: 24×190mA=4.6W;					
	The specific power is as follows:						
	No relay: 24×30mA=0.72W						

Note: Ultrasonic probes can also be customized according to customer need in this series: high pressure and high temperature resistant, light, small diameter, small blind area and other special regulatory probes.

DIMENSION AND DRAWING

UL20

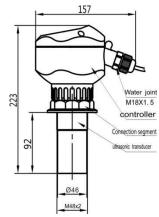


Figure 1. Thread of sensor (M48×2)

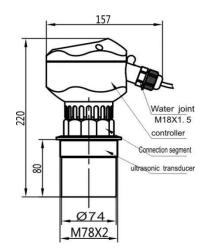
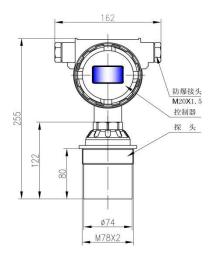


Figure3. Thread of sensor (M78×2)





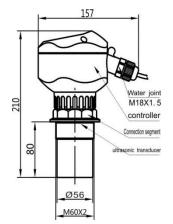


Figure 2. Thread of sensor (M60×2)

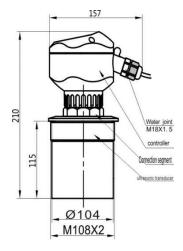
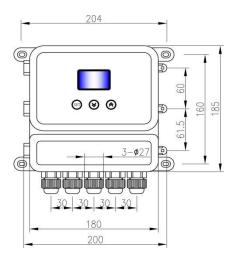


Figure 4 Thread of Sensor (M108×2)



UL40

PART NUMBER CODE FOR PRESSURE RANGE

0	00	0-0.5	016	0-6	Х	Customized
0	01	0-1.0	017	0-7		
0	02	0-1.1	018	0-8		
0	03	0-1.5	019	0-10		
0	04	0-1.6	020	0-12		
0	05	0-1.7	021	0-15		
0	06	0-1.8	016	0-16		
0	07	0-1.9	022	0-20		
0	08	0-2.0	023	0-25		
0	09	0-2.1	024	0-30		
0	10	0-2.2	025	0-35		
0	11	0-2.3	026	0-40		
0	12	0-2.5	027	0-50		
0	13	0-3	028	0-60		
0	14	0-4	029	0-65		
0	15	0-5	030	0-70		

ORDER INFORMATION

P/N	1	4	1	022	1	0	G	2	
SELECTION	1	4	1	022	Ţ	U	G	2	
Model	1=UL20 2=UL30 3=UL40								
Output	3=4-20mA4 =0.5-4.5V5=0-5V6=1-5V7=0-10V9=RS485								
Process Connection	1=M68*2.0 male 2=M108*2.0 male 3=G1/2" male X=By customized		1						
Level Range	Refer to PART NUMBER CODE TABLE FOR RESSURE RANGE on previous page and select your requested range code here.								
Measuring Medium	1=Water 2=Gasoline 3=Diesel 4=By customized								
Accuracy	0=1.0%F.S. 1=0.5%F.S								
Pressure type	G=Gauge S=Sealed A=	=Absolu	te						
Cable length	1=Cable 1m 2=Cable 2r	n 3=0	Cable 3i	m 4=Cable 4	4m 5=0	Cable 5m	X=Cabl	e X m	

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