

# Ultrasonic level meter

## GUT780

### DESCRIPTION

Ultrasonic level meter (for material and liquid level measurement) is a non-contact highly reliable and cost-effective material level measuring instrument which is easily installed and maintained. It can meet most of the material level measurement requirements without touching the medium. It is a new generation ultrasonic level meter with fully independent property rights developed by the company via years of hard work.

### FEATURES

- Switch in both Chinese and English, Chinese and English display, simple operation, easy setting
- Wide range, the max. range can reach 60m
- Humanized design, can be shown distance and level at the same time
- By echo gram can determine the cause of the problem

### APPLICATION

Applied in sewage tank, mixing tank, reaction kettle, Wells, tanks, rivers, reservoirs, water depth or liquid level measurement, etc.

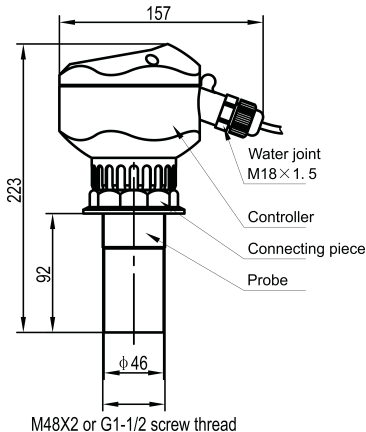
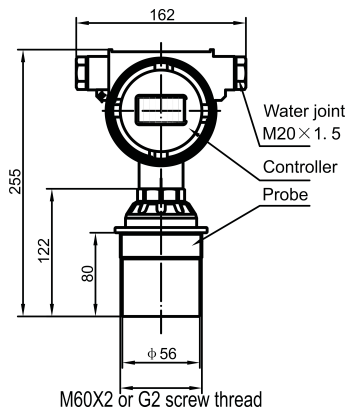
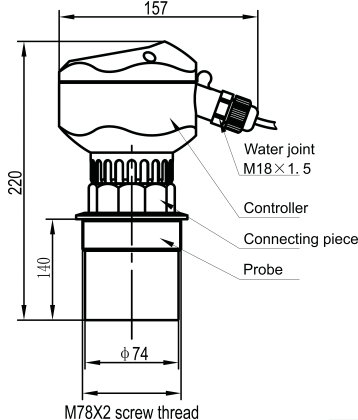
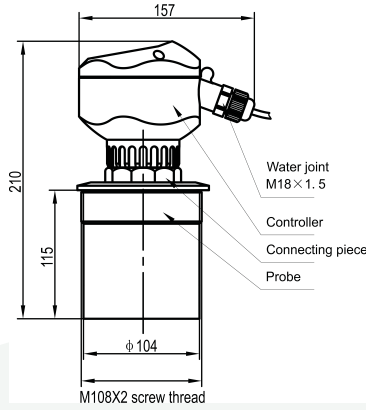
### SPECIFICATIONS

Function	Integrated Type	Separate Type
Measuring range	5m, 10m, 15m, 20m, 30m, 40m, 50m, 60m	5m, 10m, 15m, 20m, 30m, 40m, 50m, 60m, 70m
Measurement accuracy	0.5%-1.0%	0.5%-1.0%
Resolution ratio	3mm or 0.1% (whichever is greater)	3mm or 0.1% (whichever is greater)
Display	English LCD	English LCD
Analog output	4-line system, 4~20mA/ 510Ω load 2-line system, 4~20mA/ 250Ω load	4~20mA/ 510Ω load
Relay output	2 groups (i.e. AC 250V/ 8A or DC 30V/ 5A) optional, state programmable	2 groups for single channel and 4 groups for double channels (optional) AC 250V/ 8A or DC 30V/ 5A, state programmable
Power supply	Standard configuration: 24VDC Optional: 220V AC+15% 50Hz	Standard configuration: 220V AC+15% 50Hz Optional: 24VDC 120mA Customized: 12VDC or battery powered
Ambient temperature	Display instrument: -20~+60°C Probe: -20~+80°C	Display instrument: -20~+60°C Probe: -20~+80°C
Communication	485,232 communication (optional) (manufacturer agreement)	485,232 communication (optional) (manufacturer agreement)
IP grade	Display instrument: IP65, probe: IP68	Display instrument: IP65, probe: IP68
Probe cable	None	Standard configuration: 10m
Probe installation	Select type based on measuring range and probe	Select type based on measuring range and probe



Product power consumption	<p>The power supply of separate type is 24V power and the electricity consumed for such type is 100mA without relay, 120mA with a relay, 145mA with 2 relays, 170mA with 3 relays and 190mA with 4 relays.</p> <p>Specific power consumed is shown in below:</p> <p>24×100mA=2.4W for separate type without relay;</p> <p>24×120mA=2.9W for separate type with a relay;</p> <p>24×145mA=3.5W for separate type with 2 relays;</p> <p>24×170mA=4.1W for separate type with 3 relays;</p> <p>24×190mA=4.6W for separate type with 4 relays;</p>
Product power consumption	<p>The integrated type with four-wire system is powered by 24V power supply and its electricity consumed is 80mA without relay, 105mA with a relay and 130mA with 2 relays.</p> <p>Specific power consumed is shown in below:</p> <p>24×80mA=1.9W for integrated type without relay;</p> <p>24×105mA=2.5W for integrated type with a relay;</p> <p>24×145mA=3.1W for integrated type with 2 relays;</p>
Product power consumption	<p>The integrated type with two-wire system is powered by 24V power supply. It cannot be equipped with relay and its electricity consumed is 30mA.</p> <p>Specific power consumed is shown in below:</p> <p>24×30mA=0.72W for integrated type without relay;</p>

### Dimension:

 <p>Thread M48×2 or G2 Sensor</p>	 <p>Thread M60×2 or G2 Sensor</p>
 <p>Thread M78×2 Sensor</p>	 <p>Thread M108×2 Sensor</p>