
UL-A Universal Ultrasonic Level Meter



Brief introduction

Dawin's UL series ultrasonic level meter realizes full digital communication between machine and human. The CPU applies imported industrial monolithic integrated circuit, automatically temperature compensated with a wide range of voltage input. You can select analog, switches, RS485 or HART signal outputs. The level meter has no contact with measuring medium, it is precise and has long lifetime.

Applications:

- ☆ Water and waste water
- ☆ Power stations
- ☆ Mining
- ☆ Food industry
- ☆ Process automation applications

Tech details:

Resettable range

Ranges: 1m、2m、5m、8m、10m、12m、15m、20m、25m、30m (Specify when you order)

Dead band: <0.06m (for 1m range); <0.25- 1.5m (based on different ranges)

Beam angle: 9° (1m range); 12°

Resolution: 1mm

Frequency: 20 KHz~2000KHz

Accuracy: $\pm 0.3\%$ F.S.

Temp. compensation: automatic

Display: LED、LCD、OLED (optional)

Setting: throughout push buttons

Outputs:

Analogue outputs: 0~20mA; 4~20mA @ load>300 Ω ; 0~5V; 0~10V

Digital output: RS485 (Modbus) ; HART

Wireless: GPRS

Switches: two NPNs or relays (AC:5A 250V DC:10A 24V)

Power supply:

DC24—30V or AC220V

Power consumption: <1.5W

Material:

Dimensions: $\Phi 74\text{mm} \times 132\text{mm} \times \text{G1 } 1/2$ (1m, 2m range)

$\Phi 92\text{mm} \times 198\text{mm} \times \text{M60}$ (5m-15m range)

$\Phi 92\text{mm} \times 270\text{mm} \times \text{DN80 flange}$ (20m-30m range)

Mounting: G1 1/2 pipe thread (1m, 2m range)

M60×2 thread (5m-15m range)

DN80 flange (20m-30m range)

Housing and transmitter material: ABS/Nylon or PTFE(optional)

Wiring: integrated terminals

Cable: 0.5m as standard

Electrical connection: M20X1.5

Push buttons: three buttons (A、B、C)

Environment:

Ingress protection: IP65(standard), IP68(optional)

Explosion proof: EXiall BT4Gb (optional)

Ambient pressure and temperature

Storage humidity: $\leq 80\%$ RH

Dimensions: (in mm)

