05. Ultrasonic Level Meter

The LEV100 ultrasonic level meter utilizes enhanced ultrasonic technology to measure liquid level in various applications with superior accuracy and reliability.

LEV100S (Single Channel)   **LEV100D** (Dual Channel)

Product Features

1. Various measurement information

The meter continuously provides important information which includes numeric, echo, and data trend screens for easier and quicker field monitoring.

2. Single or Dual channel measurement and Differential level measurement

The LEV100D controller operates with two sensors, measuring the differential level as well as respective level measurement.

3. Current isolation

The isolated electric design enables to deal with strong field noise.

4. Various types of sensors

We offer the different measuring ranges to cope with various field requirements.

5. Max 400 days data logging

LEV100 offers data logging function to save and analyze the field data with exclusive software, WESSWARE.

Applications

1. Water and Waste water

2. Nuclear Power Plant

3. Petrochemical

4. Refinery

Specifications

Controllers
C4S & C4D

We offer two different types of controllers. The C4S controls one sensor and the C4D operates with two sensors, measuring differential level as well as respective level measurement.

Model	C4S	C4D
Measuring Principle	Ultrasonic echo flight time	Ultrasonic echo flight time
Measuring Ranges	10m, 15m, 30m	10m, 15m, 30m
Accuracy	+/-0.25% F.S.	+/-0.25% F.S.
Resolution	1mm	1mm
Operational Temperature	-20 ~ 70℃	-20 ~ 70℃
Function	Relay Simulation, Noise Filtering, Ultrasonic Pulse Adjustment, Data Logging (Max. 400 days)	Relay Simulation, Noise Filtering, Ultrasonic Pulse Adjustment, Data Logging (Max. 400 days)
Screen	Numeric, Echo Profile, Data Trend	Numeric, Echo Profile, Data Trend, Detail
Display	Level, Distance, Temperature, Time, Current, Echo profile	Level, Distance, Temperature, Time, Current, Echo profile
IP Rating	IP65	IP65
Enclosure Material	Body: ABS Window : Polycarbonate	Body: ABS Window : Polycarbonate
Weight	1.3 kg	1.3 kg
Outputs	Current Output : 1ea x 4~20mA Relay Output : 4ea x SPST(5A, 250VAC) Digital Output : RS232C(Standard) or RS485(Option)	Current Output : 2ea x 4~20mA Relay Output : 1ea x SPDT(5A, 250VAC) Digital Output : RS232C(Standard) or RS485(Option)
Temperature Compensation	Automatic	Automatic
Power Supply	•Standard : 100 ~ 240V AC, 50~60Hz, ≤6W •Option : 10~14V DC, 22 ~ 26V DC	•Standard : 100 ~ 240V AC, 50~60Hz, ≤6W •Option : 10~14V DC, 22 ~ 26V DC
Dimension	231(W) x 185(L) x 120(H)mm	231(W) x 185(L) x 120(H)mm
Certificate	CE	CE

Sensors
S410, S415, S430 Series

We offer various ranges of sensors, 10m,15m, and 30m.

Model	S410	S415	S430
Range	0~10m(incl. dead zone)	0~15m(incl. dead zone)	0~30m(incl. dead zone)
Beam Angle	5 degree	5 degree	5 degree
Frequency	50kHz	41kHz	30kHz
Temp. Compensation	Built-in	Built-in	Built-in
Operational Temperature	-40 ~ 90℃	-40 ~ 90℃	-40 ~ 90℃
Material	C-PVC	Glass filled polyester	Glass filled polyester
Mounting Thread	1" PF Thread	1" PF Thread	1" PF Thread
Mounting Type	Socket / Flange	Socket / Flange	Socket / Flange
IP rating	IP68	IP68	IP68
Weight	1.0kg	1.0kg	2.0kg

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