

LEVEL TRANSMITTERS • ULTRASONIC

Intelligent Ultrasonic Level Meter

II-LT-003

Ultrasonic, non-contact



Full specification, variants, open points and ordering information. Non-contact level with built-in LCD, 4–20 mA output and two-relay pump control on the four-wire model.

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ISSUED

24 October 2026

Intelligent Ultrasonic Level Meter

Indiana catalogue ID **II-LT-003** Level Transmitters · Ultrasonic

IDENTIFICATION

Product	Intelligent Ultrasonic Level Meter
Indiana catalogue ID	II-LT-003
Category	Level Transmitters · Ultrasonic
Measuring principle	Ultrasonic, non-contact
Model line	5 m – 25 m
Document	Specification · issued 24 October 2026

01 Measurement

Measurement range	5 m, 10 m, 15 m, 20 m, 25 m — selected on the actual measurement range
Blind zone	0.25 m to 0.6 m
Measurement accuracy	0.25% to 0.5% under standard conditions
Measurement resolution	1 mm
Pressure	Below 4 atmospheres

02 Output and display

Analog output	4–20 mA
Instrument display	Built-in LCD displaying liquid level or distance
Display modes	00 level (H) and temperature (F) · 01 distance (L) and temperature (F) · 02 level (H) and distance (L) · 03 distance (L) and level (H)
Relay outputs	Two relays — H upper limit and L lower limit, each with a control value and a hysteresis value (four-wire systems only)
Alarm type	PH:01 high-level alarm · PL:02 low-level alarm, configurable
ID number	For multi-device communication, default 01 (four-wire systems only)
Response speed	00 fastest · 01 faster · 02 medium · 03 slow

03 Installation

Probe dimensions	Vary with the measuring range; differences are communicated in advance
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Mounting hole	A circular hole slightly larger than the probe diameter (60 mm)
Method	Bracket mounting in open environments, secured with the built-in flange or nut, tightened from below
Alignment	The probe surface must be level with the liquid surface being measured

04 Variants and model selection (2)

INTEGRATED — INTEGRATED ULTRASONIC LEVEL METER

Standard tank and sump level

Analog output	4–20 mA
Display	Built-in LCD showing liquid level or distance

SPLIT TYPE — INTELLIGENT SPLIT ULTRASONIC LEVEL GAUGE

Separated probe and indicator installations

Cable	10 m cable with 1 universal mounting bracket
Output	4–20 mA + RS485 + 2 relay outputs

05 Applications and industries

APPLICATIONS

- Tank and sump level without contacting the liquid
- Pump start and stop control using the relay hysteresis settings
- Open channel and reservoir level

INDUSTRIES

Water and wastewater

Chemical

Food processing

General industry

06 Views



PRIMARY VIEW Three intelligent ultrasonic level meters with integral LCD displays
Product photograph



ALTERNATE VIEW Intelligent ultrasonic level meters
Product photograph



APPLICATION Aerial view of clarifiers and filter beds at a water treatment works — illustrative environment, not an installation of this product
Illustrative scene

07 Ordering

Quote reference	II-LT-003
Model / variant options	Integrated — 5 m · Integrated — 10 m · Integrated — 15 m · Integrated — 20 m · Integrated — 25 m · Split type
Lead time, terms, documentation	Confirmed in the quotation

TO PREPARE A QUOTATION WE NEED

- Measuring range and tank height
- Mounting position and available clearance above the maximum level

- Two-wire or four-wire system
- Relay control required — pump start and stop points
- Protection class and power supply voltage

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QUOTATION

List the product, ID and quantity; add process conditions. We reply with a quotation.

CONFIRM BEFORE ORDERING

- Specify power supply voltage, protection class and any special requirement in advance when ordering, along with all product parameters, installation accessories and quantity.

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