

FLOW METERS • ULTRASONIC

Large Diameter Ultrasonic Water Meter

II-FM-003

Model ZYLXUSD

Ultrasonic time-difference



Full specification, variants, open points and ordering information. Battery-powered ultrasonic water meter for DN50–DN200 pipelines, with remote meter reading.

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ISSUED

24 October 2026

Large Diameter Ultrasonic Water Meter

Indiana catalogue ID **II-FM-003** Manufacturer model **ZYLXUSD** Flow Meters · Ultrasonic

IDENTIFICATION

Product	Large Diameter Ultrasonic Water Meter
Indiana catalogue ID	II-FM-003
Manufacturer model	ZYLXUSD
Category	Flow Meters · Ultrasonic
Measuring principle	Ultrasonic time-difference
Model line	ZYLXUSD
Document	Specification · issued 24 October 2026

01 Measurement

Principle	Ultrasonic, propagation-velocity difference (time-difference) method
Nominal sizes	DN50 to DN200
Range ratio	R250
Accuracy class	Class B
Metering	Two-way (bidirectional); 0.5 s metering cycle
Moving parts	None — no mechanical rotating parts

02 Operating and electrical

Working pressure	≤ 1.6 MPa
Pressure loss	ΔP40 (as printed)
Working water temperature	0 to 55 °C
Body material	Ductile iron / 304 stainless steel
Protection level	IP68
Power supply	3.6 V lithium battery
Display	8-digit LCD, manual button
Communication	LoRaWAN / NB-IoT / GPRS / 4G / RS485 (built-in module, option-dependent)

03 Tables

FLOW RATES BY NOMINAL SIZE (M³/H)

SIZE	Q4 OVERLOAD	Q3 NORMAL	Q1 MINIMUM
DN50	50	25	0.64
DN65	78.75	40	1.008
DN80	125	63	1.6
DN100	200	100	2.56
DN125	312.5	160	4
DN150	500	250	6.4
DN200	787.5	400	10.08

DIMENSIONS (MM) AND FLANGE BOLTING

SIZE	L	H	W	BOLTING
DN50	200	220	170	4 × M16
DN65	200	240	185	4 × M16
DN80	225	255	250	8 × M16
DN100	250	275	270	8 × M16
DN125	250	305	300	8 × M16
DN150	300	335	330	8 × M20
DN200	350	395	380	8 × M20

04 Applications and industries

APPLICATIONS

- Urban water-supply pipeline metering
- Household and district metering
- Remote meter reading and data analysis

INDUSTRIES

Water and wastewater

05 Views



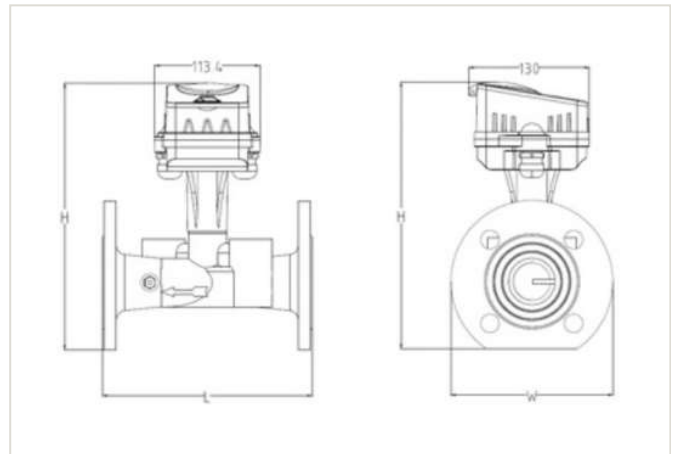
PRIMARY VIEW Large diameter ultrasonic water meter with flanged body and hinged display cover
Product photograph



ALTERNATE VIEW Closed register cover, DN100 body with flanged ends
Product photograph



DETAIL Measurement electronics with the eight-digit LCD module
Product photograph



TECHNICAL Outline drawing: length L, height H and width W vary by size — see the dimension table
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

06 Ordering

Quote reference	II-FM-003 · model ZYLXUSD
Model / variant options	DN50 · DN65 · DN80 · DN100 · DN125 · DN150 · DN200
Lead time, terms, documentation	Confirmed in the quotation

TO PREPARE A QUOTATION WE NEED

- Nominal size (DN50–DN200)
- Communication option
- Flange standard
- Quantity

TELEPHONE +91 75033 02545 +91 92893 62447	EMAIL info@indianainstrutech.com	QUOTATION List the product, ID and quantity; add process conditions. We reply with a quotation.
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CONFIRM BEFORE ORDERING

- Values are read from the supplied product images and must be confirmed against the approved datasheet before ordering.
- Pressure loss is printed as ΔP_{40} ; confirm the unit and test condition.
- Confirm the approved outline drawing, flange standard and communication option for the ordered size.

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