BLOCK AND DISTRICT METERING

DN50 LoRaWAN Ultrasonic Water Meter — Flanged

A 2-inch meter for the point where a building or a district starts paying for water. Full-bore flow path with no moving parts, an EN 1092 four-hole flange that bolts straight onto a standard DN50 spool, and Q3 25 m³/h at R400 — measured both ways and reported over LoRaWAN 915 MHz.

DN50 (2″)	Class 2	R400	PN16	IP68	Δp40
NOMINAL SIZE	ACCURACY	RANGE RATIO	PRESSURE	PROTECTION	PRESSURE LOSS CLASS



Production unit. EN 1092 four-hole flange, full-bore body, machined brass transducer ports.

- No moving parts in the flow path — the reading does not drift with grit or scale.
- Bidirectional: reverse flow is measured and totalled.
- Machined brass transducer ports, sealed electronics head, cable glands supplied.
- 12 self-diagnostic alarms, data retained over 10 years after power loss.

SPECIFICATION

Model	LXCY-50
Nominal size	DN50 (2″)
Connection	EN 1092 flange, 4 bolt holes
Pressure rating	PN16 — 1.6 MPa
Pressure loss class	Δp40
Q3 (nominal flow)	25 m³/h
Q4 (overload flow)	31.25 m³/h
Q1 (minimum flow)	62.5 L/h
Q2 (transitional flow)	100 L/h
Measuring ratio	R400
Accuracy	±2% (0.1–30 °C)
Medium temperature	−25 to +55 °C
Body material	Stainless steel / copper / plastic — per configuration
Communication	LoRaWAN 915 MHz (channel selectable)
Design & manufacture	ISO 4064 · factory inspection ISO/IEC 17025

ORDERING INFORMATION

Bore, body material and the LoRaWAN channel plan are fixed per order — state the spool dimensions and the network you run and the exact configuration is confirmed in the quotation. Model code: **LXCY-50, DN50 flanged, LoRaWAN**.

CONTACT

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Specifications subject to change without notice. Rev. 2026-11