PLANT LINES AND BURIED CHAMBERS

DN80 In-line Flanged Ultrasonic Water Meter

A bulk meter built like pipework, not like an instrument. One-piece cast metal body with the flanges machined into it, a straight-through bore with nothing inside to clog, and brass caps over sealed transducer pockets you can actually inspect.

DN80 (3″)	In-line	Valve-free	NB-IoT	Modbus
NOMINAL SIZE	FLANGED BOTH ENDS	BORE	UPLINK	RS-485 LOCAL BUS



Production unit. One-piece cast body with the flanges machined into it, brass-capped transducer pockets.

- One-piece cast metal body — bolted in as a spool piece, no separate flanges to align.
- Straight-through bore with nothing inside to clog or wear.
- Sealed housing with gland-sealed cable entry and a tamper seal fitted.
- Battery operation — no mains run into the pit.

SPECIFICATION

Nominal size	DN80 (3″)
Type	Ultrasonic, in-line
Connection	Flanged, both ends
Body	Cast metal, black coated; flanges machined into a single body
Measuring tube	Straight-through bore, no moving measuring parts
Transducer ports	Brass-capped, sealed sensor pockets
Valve	None — valve-free
Communication	NB-IoT uplink + Modbus (RS-485) local bus
Data paths	NB-IoT → cloud / app; Modbus → PLC / SCADA
Power	Low-power design, battery operation, no mains run required
Medium	Water
Sealing	Sealed housing, gland-sealed cable entry, tamper seal fitted

ORDERING INFORMATION

State the line bore, the flange standard and whether the reading goes to a cloud platform over NB-IoT or into a PLC over Modbus. Dimension drawing issued with the quotation. Model code: **DN80 in-line flanged, NB-IoT + Modbus**.

CONTACT

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