DISTRICT METERING AND PLANT ROOMS

DN65 Two-Channel Ultrasonic Water Flow Meter

A flanged pipe section rather than an inserted instrument. Two transit-time paths average the velocity profile, so the reading holds on a real main: Q3 40 m³/h, Class 2 to ISO 4064, R400, 1.6 MPa carbon steel body, IP68 down to the cable gland.

DN65	Class 2	R400	PN16	IP68	Modbus
NOMINAL SIZE	ISO 4064	STANDARD RATIO	PRESSURE	INCL. CABLE GLAND	CJ/T-188



Production unit. Carbon steel pipe section, brass transducer ports, protective coating.

- Two transit-time paths average the velocity profile across the bore.
- Low straight-pipe demand compared with a mechanical meter; any orientation.
- Sealed register cover with tamper alarm logged in the event record.
- Wet calibration against a reference meter on every unit; certificate supplied.

SPECIFICATION

Measuring principle	Transit-time ultrasonic, two-channel, bidirectional
Accuracy	Class 2 to ISO 4064; verification traceable to a CNAS lab
Range ratio	R250 / R400 / R500 — R400 standard
Nominal diameter	DN65; DN50–DN150 share the same architecture
Rated flow Q3	40 m³/h
Overload flow Q4	50 m³/h
Body	Carbon steel pipe section, brass transducer ports, protective coating
Connection	Flanged, four-hole; drilling stated at order
Pressure rating	1.6 MPa (PN16) as standard
Pressure loss	0.01 MPa at rated flow
Temperature class	T30 as standard; T50 or T70 by order
Protection grade	IP68, whole meter including the cable gland
Wireless	LoRaWAN / NB-IoT / 4G (Cat.1)
Wired	RS485 · Modbus RTU, CJ/T-188, custom frame on request
Display	LCD, 9 + 5 digits · infrared local interface

FAMILY — ONE ARCHITECTURE, SIX BORES

This sheet describes DN65. DN50, DN80, DN100, DN125 and DN150 are built on the same two-channel architecture. Give us peak and minimum flow and the bore is sized for you.

ORDERING INFORMATION

State the flange drilling standard and the face-to-face dimension if the meter must match an existing spool. One communication module per meter — LoRaWAN, NB-IoT, 4G or RS485. Model code: **Two-channel ultrasonic water meter, DN65**.

CONTACT

Shenzhen Xingyuan Intelligent Meter Co., Ltd.
Building 35, 3rd Industrial Area, Mashantou, Matian Street, Guangming District, Shenzhen 518106, China
liz@xy-meter.com · **+86 135 1067 5597 (WhatsApp)**

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