

## Description



BT-WM3DN25 is an ultrasonic flow meter to measure domestic water, it is made with food-class para phenylene amide (PPA) and fibreglass composite material. It works on ultrasonic technology which benefits with no moving parts and high accuracy. It has been proven that the water meter is a reliable and absolute matured achievement in high-accuracy measurement. In addition, the special compact design does completely assure waterproof protection. Moreover, the core engineering concept of the water meter aims at cutting down the budget on overall operating costs from remote meter readings.

## Dimensions

Pipe Diameter	DN25
Minimum Flow Rate( $q_i$ (m <sup>3</sup> /h))	0.039
Permanent Flow Rate $q_p$ (m <sup>3</sup> /h)	6.3
Maximum Flow Rate $q_s$ (m <sup>3</sup> /h)	7.875
Connection	G1 1/4'
Length (mm)	150
Width (mm)	93
Height (mm)	92

# Technical specification

Temperature Medium Range	0.1°C ..... 30°C (T30)
Ambient temperature	5~55 °C Storage temperature ----- -----20~60 °C
Materials	Paraphenylene Amide PPA with fiberglass
Metrological Class	Class 2, R=125/160:1
Maximum Operation Pressure	1.6 Mpa
Pressure Loss	$\Delta P < 63 \text{ kPa}$
Pressure Stage	PN16
protection Class	: IP65/IP68
Battery	3.6VDC lithium battery, 6 or 10 years lifetime optional
Data Storage	24 months of history data
interface & Communication	Sigfox M-Bus Optical port Pulse output (optional) RS-485 (optional) LPWAN (LoRa, NB-IoT)
Environmental Requirement	Environmental Class: E1, M1, B
Installation	Horizontal or Vertical
Display and Indication Unit:	m3 / Gallon (optional)
LCD	8-digit Standard Compliance EN14154 ISO4064

