

4. Product Specifications for WSNBM-AQUA

MEASUREMENT	
Standard Inputs	02 x Pulses, 1 x RS485 Modbus RTU Master
Optional Input	1 or 2 Pressure Sensors
Digital Inputs	2-Digital channel inputs with dry-contact or voltage input (max 3.3VDC) DI Functions: Logic Detecting or Pulse Counting Logic Detecting: 2 channels, recommended minimum interval time between 02 statuses is 5 seconds. Pulse Counting: 2 channels, max frequency 100Hz, minimum Pulse width (low or high) is 200μS, counter is uint32 type.
RS485 Input port	1 x RS485 master port Protocol: Modbus RTU
Pressure Sensor	Advanced Piezo technology Measurement range: Select 0-10 barg, 0-16 barg, 0-20 barg Over pressure protection: 1.5 x span Accuracy & Stability: 0.25% or 0.5% of span, < 0.2% span/ year Wetted parts: 304SS/316SS Measuring Fluids: Any fluid which is workable with materials 304SS/316SS Working temperature: 20~80°C Compensation temperature: -10~50°C Process connection: Standard G 1/4 or Others (consult factory)
COMMUNICATION	
Connectivity	LTE Cat NB1 for B1, B2, B3, B4, B5, B8, B9, B10, B12, B13, B17, B18, B19, B20, B25, B26, B27, B28, B66 <div></div>
LTE Cat M1	LTE HD-FDD B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B26/B27/B28/B66
LTE Cat NB1/NB2	LTE HD-FDD B1/B2/B3/B4/B5/B8/B12/B13/B17/B18/B19/B20/B25/B28/B66
RF Power	Class 3, 23 dBm ±2.7 dB
Antenna	Internal Antenna 2.0 dBi
Battery	01 or 02 x D size 3.6VDC LiSOCl ₂ Battery type, battery not included
Working temperature	-40~85°C (with SAFT LS33600 batteries)
Dimensions/ Netweight	H170 x W192 x D97, 190g
Housing	Anodized Aluminum + Engineering plastic, IP68.

🔄 Revision #7
★ Created Mon, Jun 16, 2025 7:48 AM by [Phi Hoang Tran](#)
✎ Updated Mon, Jun 16, 2025 3:04 PM by [Phan Van Luc](#)