

# 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
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 <sub>2</sub> 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.

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