# 4. Product Specifications for WSNBM-AQUA

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| 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)<br>DI Functions: Logic Detecting or Pulse Counting<br>Logic Detecting: 2 channels, recommended minimum interval time between 02 statuses is 5 seconds.<br>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<br>Protocol: Modbus RTU |
| Pressure Sensor | Advanced Piezo technology<br>Measurement range: Select 0-10 barg, 0-16 barg, 0-20 barg<br>Over pressure protection: 1.5 x span<br>Accuracy & Stability: 0.25% or 0.5% of span, < 0.2% span/ year<br>Wetted parts: 304SS/316SS<br>Measuring Fluids: Any fluid which is workable with materials 304SS/316SS<br>Working temperature: 20~80℃<br>Compensation temperature: -10~50℃<br>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<br>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℃ (with SAFT LS33600 batteries) |
| Dimensions/ Netweight | H170 x W192 x D97, 190g |
| Housing | Anodized Aluminum + Engineering plastic, IP68. |

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