# JNC Level sensor

PL485

## [Feature]

- A pressure sensor with a stainless steel isolation diaphragm is used as the signal sensing element.
- Euipped with barometric pressure compensation
- Capable of simultaneously measuring water level and temperature, with automatic temperature compensation
- Featuring strong anti-interference, low temperature drift, and high stability, it provides high measurement accuracy and is an ideal liquid level sensor for industrial automation.

## [Applications] Tank water level, water gate, river, lake detection

## [Optional Code]

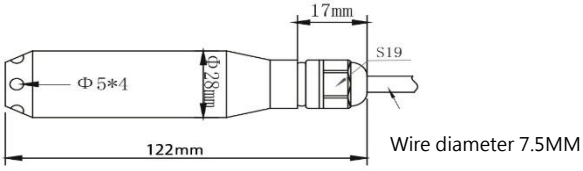
PL485 – Code 1 – Code 2

| Code 1/ Range meter H2O | | | | | | | | | Code 2 | Line length |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3 | 5 | 10 | 20 | 30 | 40 | 50 | 100 | N | Standard cable length: measuring range + 2 meters |
| | | | | | | | | | C | Standard cable length+quick connector |
| | | | | | | | | | Value N | Customized cable length |
| | | | | | | | | | Value C | Customized cable length+quick connector |

## [Specification]

| | | | |
|---|---|---|---|
| Power supply | 9~36 VDC | Power consumption | 1.2W |
| Total weight | Probe: approximately 290g, Cable: approximately 60g per meter | IP rating | IP68 |
| Measuring medium | Water (H2O) or compatible with contact materials | | |
| Overall material | Diaphragm: 316L stainless steel (in contact), Housing: 304 stainless steel (in contact)<br>Seals: Nitrile rubber (in contact), Cable: Polyurethane or similar (in contact) | | |
| Measuring range | Water depth: 0.00 to 50.00m<br>Water temperature: -20 to 60°C | Resolution | 0.25%FS |
| Accuracy | 0.25% FS (Range ≥ 10m), 0.5% FS (1m ≤ Range < 10m), Temperature: ≤ ±2°C | | |
| Operating temperature | Medium temperature: -40 to 60°C,<br>Ambient temperature: -40 to 85°C | Temperature compensation | -10 ~ 60℃ |
| Vibration resistance | 10g(20...2000Hz) | | |
| Overload capacity | 200% of full scale | | |
| Temperature drift | ±0.01%FS/℃ ( Within the temperature compensation range ) | Stability | ±0.1% FS/year |
| Communication method | RS-485 Modbus RTU | Response rate | Digital signal output ≤ 5Hz |
| Line length | Standard cable length: measuring range + 2 meters | | |

## [Dimension] Unit:mm




Wire diameter 7.5MM