

**5:1 Turndown Ø30mm
Field Rangeable Submersible
DEPTH SENSOR**

**Pi9911
Series**



- **Depth Ranges
150mWG to 200mWG**
- **Sealed to IP68 (200mWG)**
- **Robust Construction**
- **Field Adjustable (5:1 turndown)**
- **Lightning (Surge) Protection to
EN61000-4-5**
- **Excellent Long Term Stability**
- **Temperature Compensated**
- **Outstanding Performance**
- **3 YEAR WARRANTY**

Options Available

Special Ranging (consult factory)

Extended Temperature Ranges

Different Cable Length

DESCRIPTION

The Pi9911 submersible 2-wire 4-20mA Depth Sensor offers great flexibility with its two piece body design providing ease of access to the 5:1 turndown facility DIL switches and zero & span potentiometers.

Manufactured from 403 Stainless Steel, these two halves are held together using a locking ring and are sealed by means of an 'O' ring arrangement. This, in conjunction with an IP68 sealed polyurethane cable outlet, completes a high integrity waterproof assembly which is rated to 200 metres depth.

Both sensor and electronics are protected against the effects of surges created by lightning strikes, offering distinct advantages over competitive products. The Pi9911 offers rugged construction, excellent long term stability and performance. To further support our claim of long term reliability we offer the product as standard with a 3 Year Warranty.

Transducer Specialists...

APPLIED MEASUREMENTS LIMITED

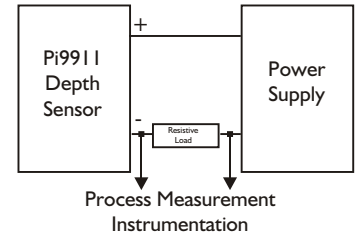
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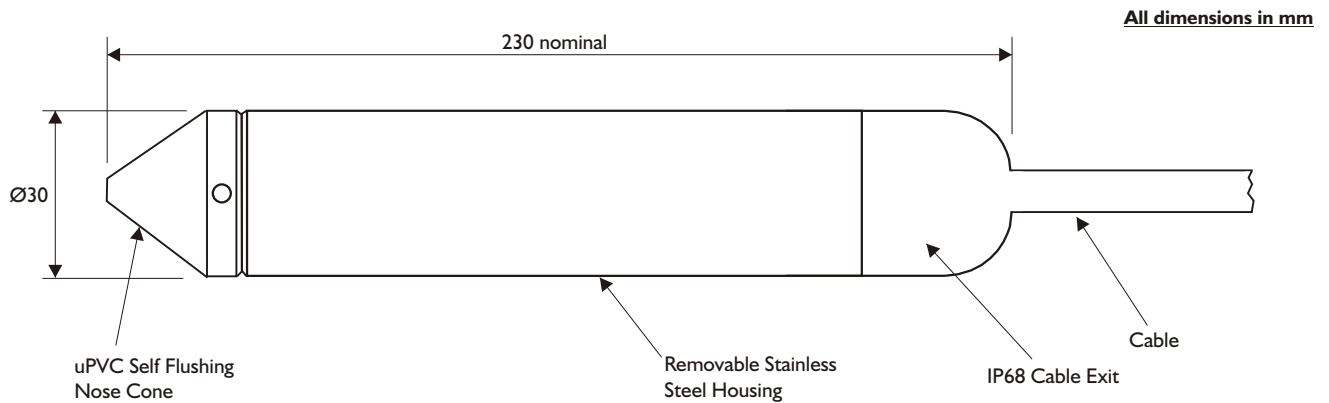
SPECIFICATION

Wiring Schematic Diagram



| CHARACTERISTICS | Pi9911 | UNITS |
|---|--|------------------------------------|
| Pressure Ranges: | 0.15, 0.5, 1, 2, 5, 10, 20, 50, 100, 200* | Metres Water Gauge (mWG) |
| Safe Overpressure: | 150 | %Pressure Range |
| Burst Pressure: | 300 | %Pressure Range |
| Supply Voltage: | 12- 30 | Volts DC |
| Load Driving Capacity: | 1000 | Ohms at Max. Supply Voltage |
| Output Current Zero Pressure: | 4.0 | Milliamps (mA) |
| Max. Pressure: | 20.0 | Milliamps (mA) |
| Electrical Connections: | 4-core screened polyurethane sheathed cable with vent tube plus strain and drain wires | |
| Accuracy: | <0.25 | ±%Pressure Range |
| Temperature Range Operating: | -40 to +80 | °C |
| Compensated: | 0 to +70 | °C |
| Temperature Effect On Output: | <0.01 | ±%Pressure Range/°C |
| On Zero: | <0.015 | ±%Applied Pressure/°C |
| Environmental Protection: | IP68 to 200mWG | |
| Weight | 600 (not including cable) | grams |
| Construction: | 403 St. Steel body with 316 St. Steel Sensing Diaphragm | |

*Interim ranges are available if required



Ordering Information

The product part number is coded to assist with ordering, as follows:

