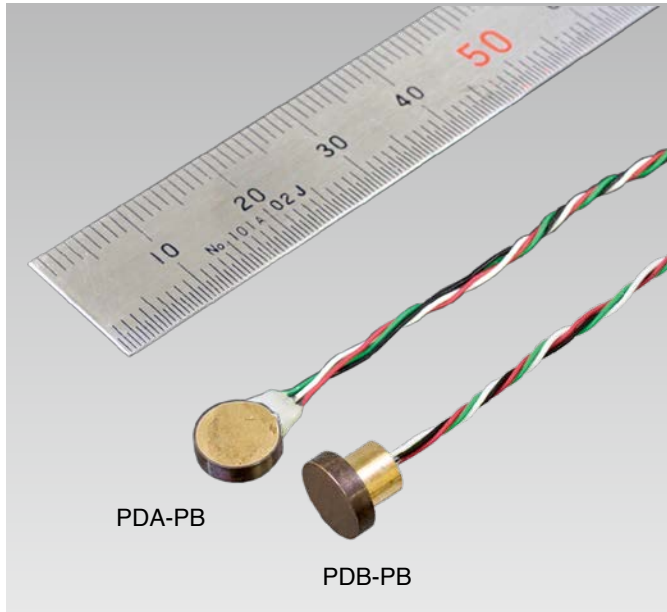


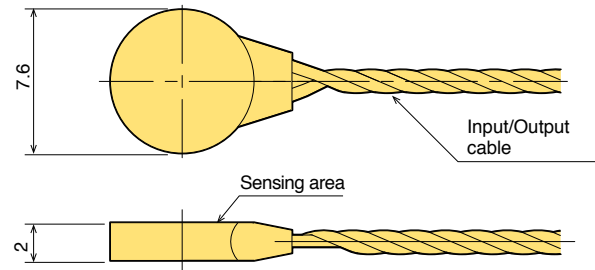
# PRESSURE TRANSDUCERS

## PDA-PB / PDB-PB Miniature Pressure Transducer 50kPa~3MPa

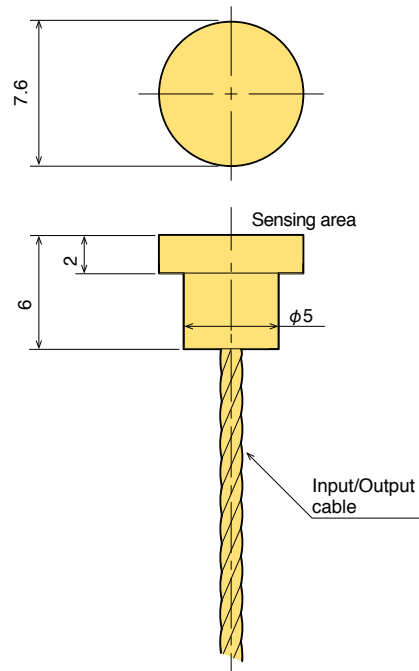


**Ultracompact and Lightweight  
Waterproof type**

PDA-PB



PDB-PB



The sensing part of the PDA-PB and PDB-PB miniature pressure gauges is 7.6 mm in diameter and 2 mm in thickness. As they are waterproofed for daily ordinary use, they can be used in water. They use a scratch-resistant fluoroplastic insulated cable. Two models of PDA-PB and PDB-PB are available depending on the direction of cable outlet.

Note: If used in water for a prolonged period, the waterproof performance may deteriorate.

Protection ratings: IP67 equivalent

**Ultra-miniature, Easy handling  
Optimum for model testing  
Capable of underwater use for a short term**

### ■ SPECIFICATIONS

TYPE	PDA-50KPB PDB-50KPB	PDA-100KPB PDB-100KPB	PDA-200KPB PDB-200KPB	PDA-500KPB PDB-500KPB	PDA-1MPB PDB-1MPB	PDA-2MPB PDB-2MPB	PDA-3MPB PDB-3MPB
Capacity	50kPa	100kPa	200kPa	500kPa	1MPa	2MPa	3MPa
Rated Output	0.5mV/V (1000×10 <sup>-6</sup> strain)	0.75mV/V (1500×10 <sup>-6</sup> strain)	1mV/V(2000×10 <sup>-6</sup> strain)				
Non-linearity	1%RO						
Hysteresis	1%RO						
Temperature effect on zero	1%RO/°C						
Temperature effect on span	1%/°C						
Compensated temperature range	-10 ~ +60°C (no icing)						
Allowable temperature range	-20 ~ +70°C (no icing)						
Input/Output resistance	350Ω						
Recommended exciting voltage	2V or less						
Allowable exciting voltage	5V						
Weight	PDA-PB: 0.4g    PDB-PB: 0.7g						

Input/Output cable : 0.014mm<sup>2</sup> 4-core cross-linked polyethylene insulated cable 1m