

Ultra-miniature Pressure Transducer

# PDC-PA / PDD-PA

Low capacity, high power! Miniature Pressure Transducer with a pressure-sensing area of  $\phi 5.8$  mm (2.5 mm thick)

Approx.

**5 times**<sup>\*1</sup> higher resolution than the previous model!

And more, downsizing<sup>\*2</sup> by **24%**

\*1 In the case of capacity: 200 kPa  
\*2 Outer diameter:  $\phi 7.6$ mm  $\rightarrow$   $\phi 5.8$ mm

Features

● Higher resolution

(about 5 times larger capacity than ours: in the case of 200 kPa)

● Ultracompact and easy handling

Outer diameter 7.6 to 5.8 mm dia.

Downsized by approximately -24% compared to our company's

● Suitable for model experiments

PDC-PA

PDD-PA



Protection ratings:  
IP 68 equivalent

Specifications

Type	PDC-100KPA PDD-100KPA	PDC-200KPA PDD-200KPA	PDC-300KPA PDD-300KPA
Capacity	100kPa	200kPa	300kPa
Rated Output	approx. 4.0mV/V ( $8000 \times 10^{-6}$ strain)	approx. 5.0mV/V ( $10000 \times 10^{-6}$ strain)	approx. 4.0mV/V ( $8000 \times 10^{-6}$ strain)
Non-linearity	1.0% RO		
Temperature effect on zero	1% RO/°C		
Temperature effect on span	0.5% /°C		
Compensated temperature range	0 ~ + 60°C (no icing)		
Allowable temperature range	- 10 ~ + 70°C (no icing)		
Input/Output resistance	Input resistance 450 $\Omega$ / Output resistance 640 $\Omega$		
Recommended exciting voltage	2V or less		
Allowable exciting voltage	5V		
Input/Output cable	$\phi 1.7$ 0.035mm <sup>2</sup> 4-core shielded vinyl cable 5m free end		
Weight	approx. 0.3g		

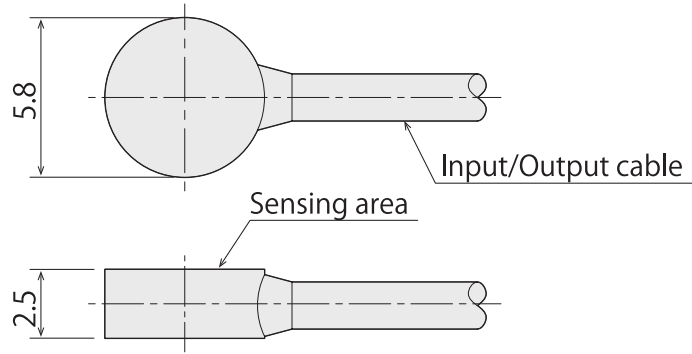
In addition to the above, custom-made products are also available, please contact us.

\*Long-term underwater use may degrade water resistance

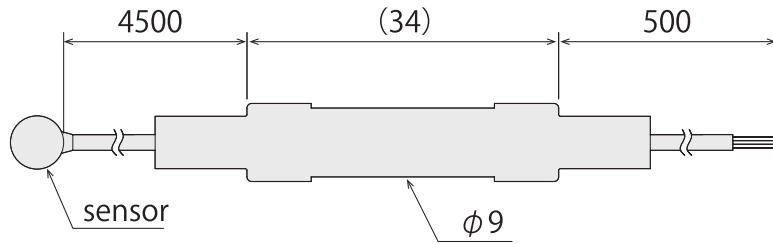
## External Dimensions

PDC-PA

Sensor part



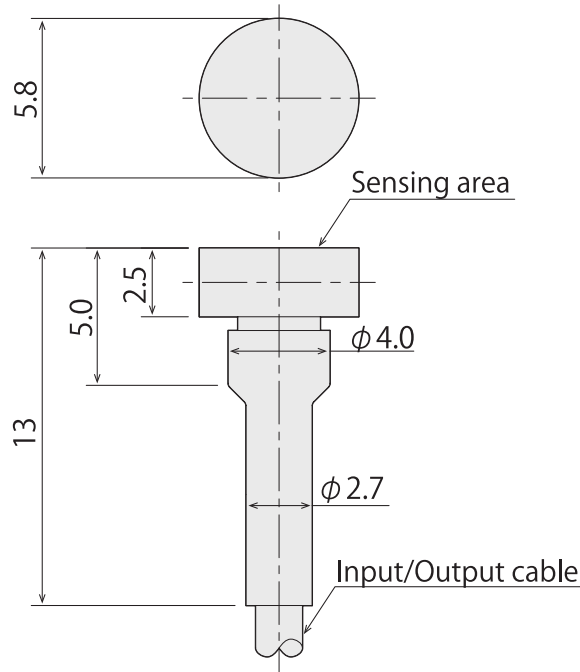
whole body



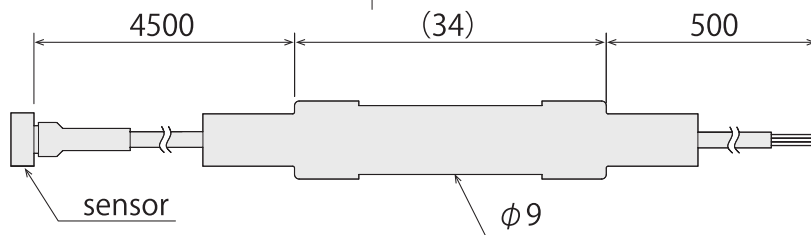
Unit : mm

PDD-PA

Sensor part



whole body



Unit : mm

The contents of this catalog are subject to change without prior notice.  
The contents of this catalog are as of August 2023. TML Pam E-2043B



Approval Certificate **ISO9001**  
Design and manufacture of  
strain gauges, strain measuring  
equipment and transducers



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