

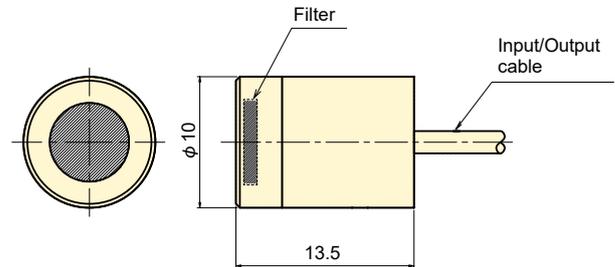
# Pore water pressure in model testing

## KPE-PB Small Pore Pressure Gauge

Civil engineering design



Small, lightweight  
Easy handling  
Dual structure not affected by the outer lateral pressure  
Replaceable filter



A small pore pressure gauge to measure pore water pressure in model testing. The dual construction not affected by lateral pressure offers accurate measurement.  
Protection ratings: IP68 equivalent

### ■ SPECIFICATIONS

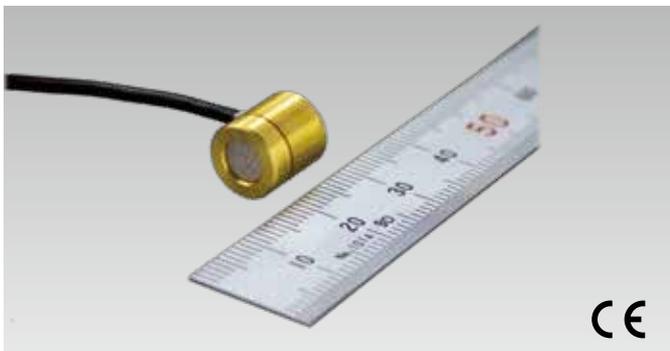
TYPE	KPE-200KPB	KPE-500KPB	KPE-1MPB	KPE-2MPB
Capacity	200kPa	500kPa	1MPa	2MPa
Rated output	Approx. 1mV/V (2000x10 <sup>-6</sup> strain)			
Non-linearity	1%RO			
Filter mesh	40μm(*)			
Allowable temperature range	0 ~ +60°C (No icing)			
Input/Output resistance	350Ω			
Recommended exciting voltage	2V or less			
Allowable exciting voltage	5V			
Weight	Approx. 4.5 g			

Input/Output cable : φ 1.7mm 0.035mm<sup>2</sup> 4-core shielded vinyl cable 2m

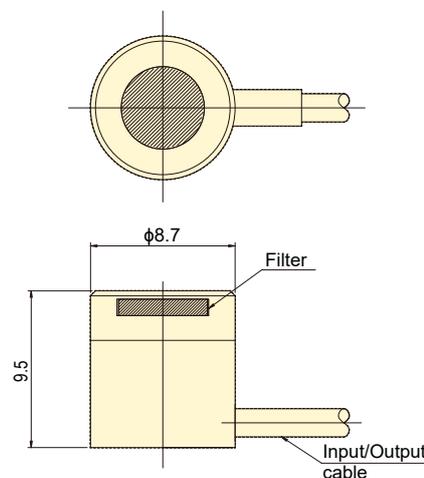
\* : Filter mesh with 70μm available on request

## KPG-PA Ultracompact Pore Pressure Gauge

Civil engineering design



Small, lightweight  
Easy handling  
Dual structure not affected by the outer lateral pressure  
Replaceable filter



This is a miniature pore pressure gauge for measurement of pore water pressure in soil. It is designed for use in model testing, and is applicable to measurement for about one week under conditions within the specifications.

Protection ratings: IP68 equivalent

### ■ SPECIFICATIONS

TYPE	KPG-50KPA	KPG-100KPA	KPG-200KPA
Capacity	50kPa	100kPa	200kPa
Rated output	Approx. 0.5mV/V (1000x10 <sup>-6</sup> strain)	Approx. 0.75mV/V (1500x10 <sup>-6</sup> strain)	Approx. 1.6mV/V (3200x10 <sup>-6</sup> strain)
Non-linearity	1%RO		2%RO
Filter mesh	40μm		
Allowable temperature range	0 ~ +60°C (No icing)		
Input/Output resistance	350Ω		
Recommended exciting voltage	2V or less		
Allowable exciting voltage	5V		
Weight	Approx. 2.3 g		

Input/Output cable : φ 1.7mm 0.035mm<sup>2</sup> 4-core shielded vinyl cable 2m