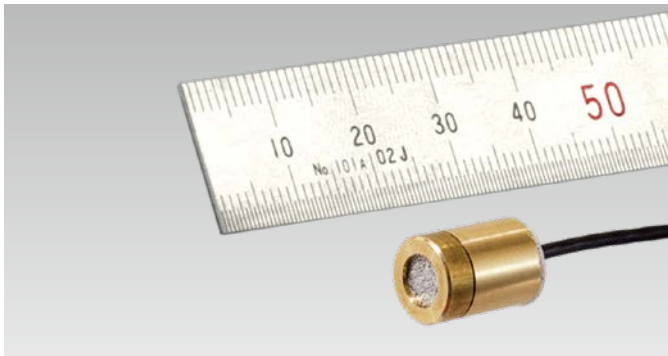


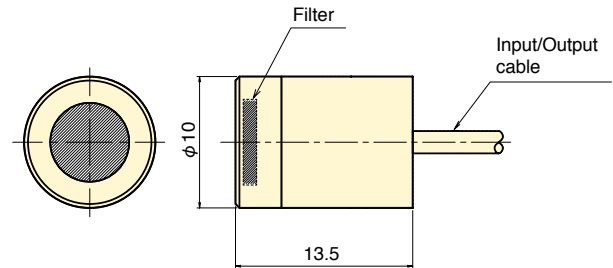
# Pore water pressure in model testing

## 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 soil 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			

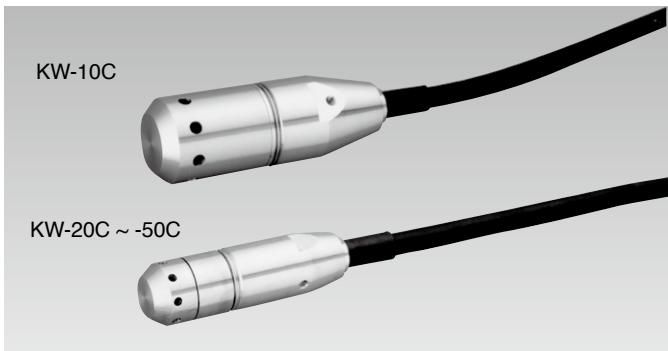
Input/Output cable : φ 1.7mm 0.035mm<sup>2</sup> 4-core shielded vinyl cable 2m

\* : Filter mesh with 70μm available on request

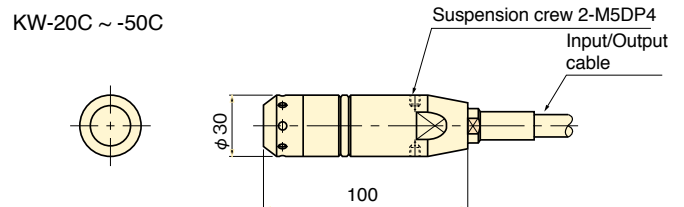
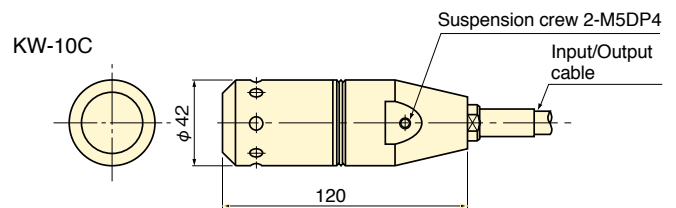
# Level of water in dam, river and under-ground water

## KW-C Water Level Transducer

Civil engineering design



Not affected by the change of atmospheric pressure  
Made of stainless steel with excellent corrosion resistance  
Easy handling and stable measurement



The KW-C is a hydraulic water level transducer that measures the level of water in dams and rivers and the level of under-ground water in ground in landslide areas. Effects of changes in atmospheric pressure do not need to be compensated, so high-accuracy measurement can be made.

Protection ratings: IP68 equivalent

### ■ SPECIFICATIONS

TYPE	KW-10C	KW-20C	KW-30C	KW-50C
Capacity	10m	20m	30m	50m
Rated output	1mV/V (2000x10 <sup>-6</sup> strain)			
Non-linearity	0.2%RO		0.3%RO	
Temperature effect on zero	0.03%RO/°C			
Compensated temperature range	0 ~ +50°C (No icing)			
Allowable temperature range	-20 ~ +60°C (No icing)			
Input/Output resistance	350Ω			
Recommended exciting voltage	3V or less			
Allowable exciting voltage	10V			
Weight	700 g	200g		

Input/Output cable :

KW-10C φ 11.5mm 0.5mm<sup>2</sup> 4-core shielded vinyl cable with air-vent tube 13m

KW-20C φ 11.5mm 0.5mm<sup>2</sup> 4-core shielded vinyl cable with air-vent tube 23m

KW-30C φ 11.5mm 0.5mm<sup>2</sup> 4-core shielded vinyl cable with air-vent tube 33m

KW-50C φ 11.5mm 0.5mm<sup>2</sup> 4-core shielded vinyl cable with air-vent tube 53m