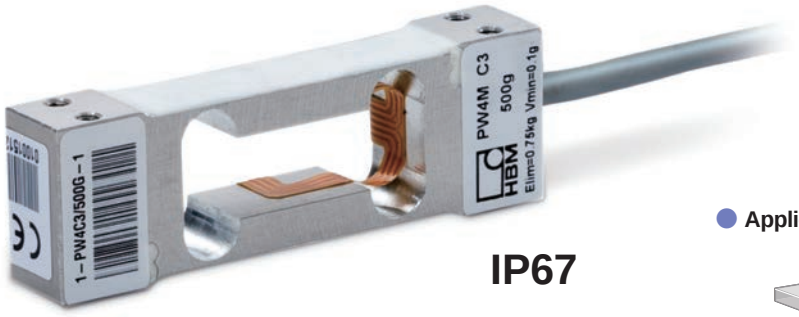
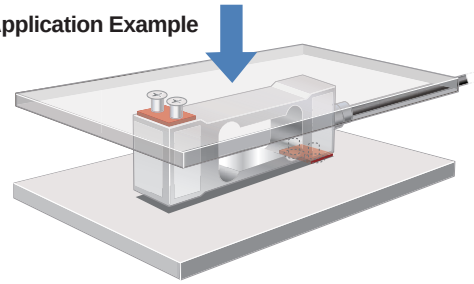
PW4M

SINGLE POINT TYPE LOAD CELL

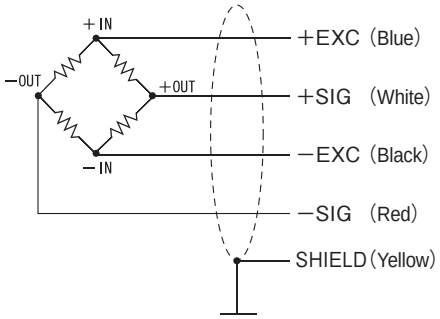


IP67

Application Example



Wiring Diagram

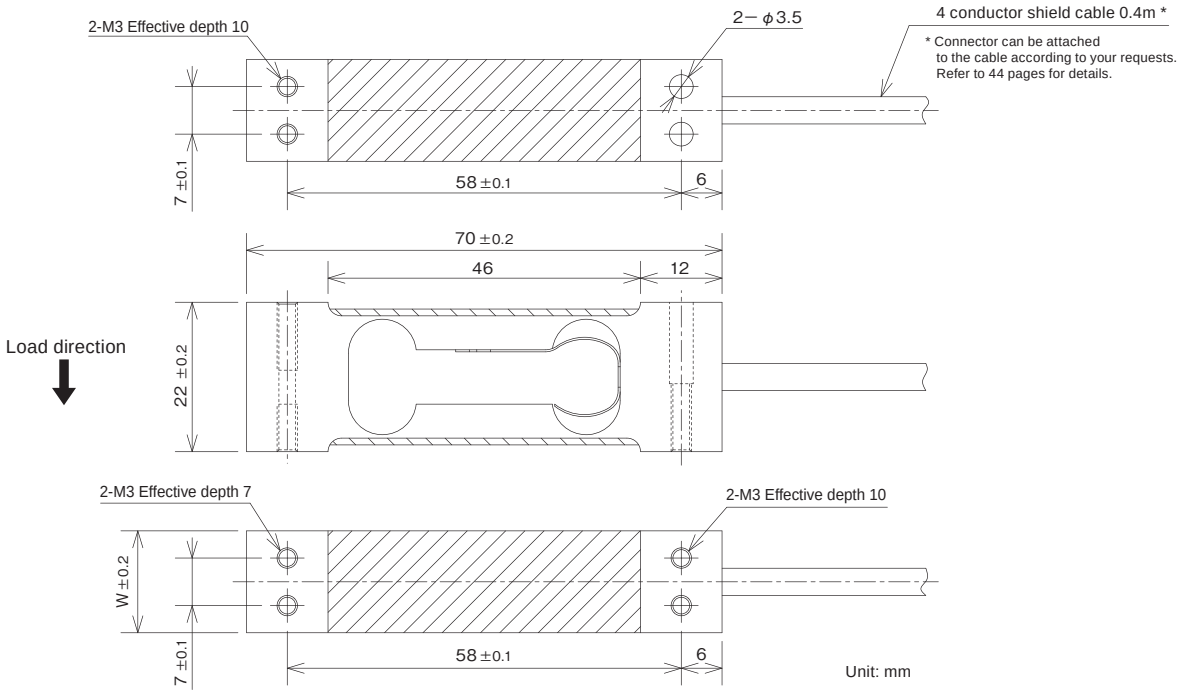


(The shield connected to the load cell body.)

Specifications

Model	PW4M-300G, PW4M-500G	PW4M-1KG, PW4M-2KG, PW4M-3KG	
Rated capacity	300, 500	1k, 2k, 3k	g
Rated output	1±0.1	2±0.2	mV/V
Safe overload	150		%R.C.
Maximum safe overload	300		%R.C.
Maximum safe side overload	200		%R.C.
Zero balance	±4		%R.O.
Non-linearity	0.0150(typ)		%R.O.
Hysteresis	0.0150(typ)		%R.O.
Compensated temperature range	−10 to +40		℃
Safe temperature range	−10 to +50		℃
Temperature effect on zero	0.0233(300g), 0.0280(500g), 0.020(1/2/3kg)		%R.O./10K
Temperature effect on span	0.0175(+20 to +40℃), 0.0117(−10 to +20℃)		%R.O./10K
Input resistance	380±38		Ω
Output resistance	380±38		Ω
Recommended excitation voltage	1 to 15		V
Insulation resistance	2000 or more		MΩ
Degrees of protection	IP67		
Cable	4 conductor shield cable 0.4m		
Load cell material	Aluminum		

External dimension



Model	Deflection at rated	Natural frequency	Maximum off center distance	Maximum platform size	Weight	W
PW4M-300G	0.5mm or less	225Hz	100mm	200×200mm	0.05kg	12
PW4M-500G		294Hz				
PW4M-1KG		294Hz				
PW4M-2KG		397Hz				15
PW4M-3KG		493Hz				