

PW6C

SINGLE POINT TYPE LOAD CELL

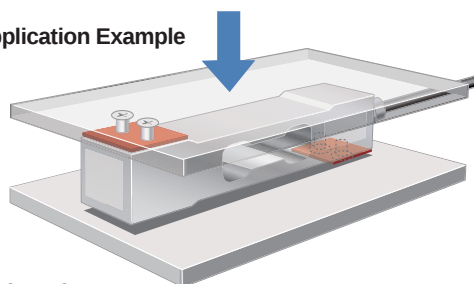


IP67

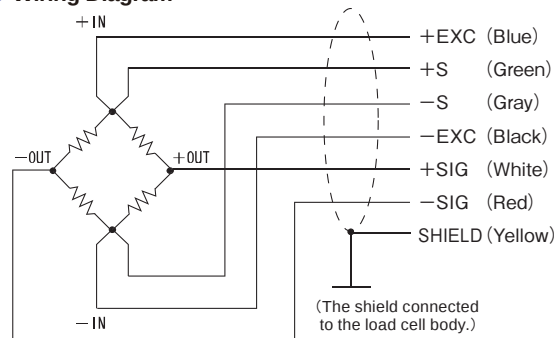
Specifications

Model	PW6C-5KG, PW6C-10KG, PW6C-20KG, PW6C-30KG, PW6C-40KG	
Rated capacity	5, 10, 20, 30, 40	kg
Rated output	2.2±0.2	mV/V
Safe overload	150	%R.C.
Maximum safe overload	300	%R.C.
Maximum safe side overload	300	%R.C.
Zero balance	±6	%R.O.
Non-linearity	0.0166 (typ)	%R.O.
Hysteresis	0.0166 (typ)	%R.O.
Compensated temperature range	-10 to +40	°C
Safe temperature range	-10 to +50	°C
Temperature effect on zero	0.0140 (5/10/20kg), 0.0093 (30kg), 0.0175 (40kg)	%R.O./10K
Temperature effect on span	0.0175 (+20~+40°C), 0.0117 (-10~+20°C)	%R.O./10K
Input resistance	300 to 500	Ω
Output resistance	300 to 500	Ω
Recommended excitation voltage	1 to 12	V
Insulation resistance	2000 or more	MΩ
Degrees of protection	IP67	
Cable	6 conductor shield cable 2m	
Load cell material	Aluminum	

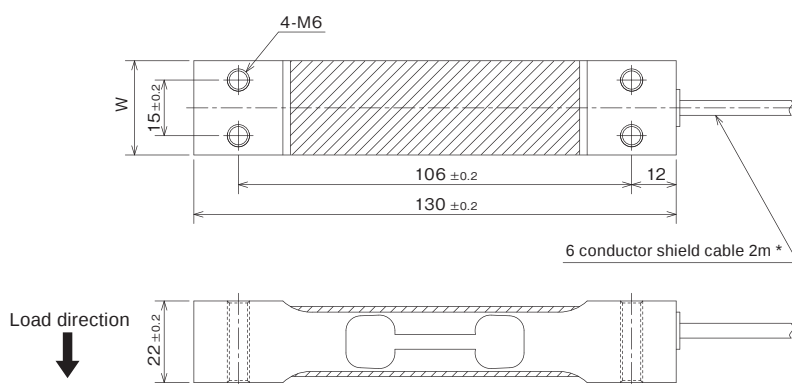
Application Example



Wiring Diagram



External dimension



* Connector can be attached to the cable according to your requests. Refer to 44 pages for details.

Unit mm

Model	Deflection at rated	Natural frequency	Maximum off center distance	Maximum platform size	Weight	W
PW6C-5KG	0.5mm or less	225Hz	100mm	300×300mm	0.25kg	25.4±0.2
PW6C-10KG		331Hz				
PW6C-20KG		473Hz				
PW6C-30KG		573Hz				
PW6C-40KG		606Hz				