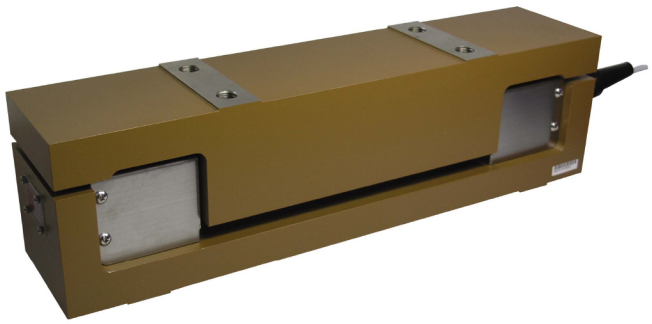
Series PBTK100

Pillow Block Type Load Cell
(Vertical force 50kN ~ 100kN)



The PBTK100 series, used in metal processing lines and other hostile industrial applications, accurately and reliably measure strip tension, and are designed to mount directly under the roll bearing pillow blocks.

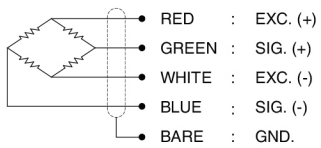
- Overload capability of 450% of rated capacity without zero shift.
- Excellent linearity form zero through the entire measuring range.
- Electroless nickel plated for corrosion resistance and fully sealded to IP67
- Full temperature compensation.

ORDERING INFORMATION

PBTK100 - 50kN

- PBTK100 — TYPE
- 50kN — CAPACITY
  - 50kN(5.098tf)
  - 70kN(7.138tf)
  - 100kN(10.20tf)

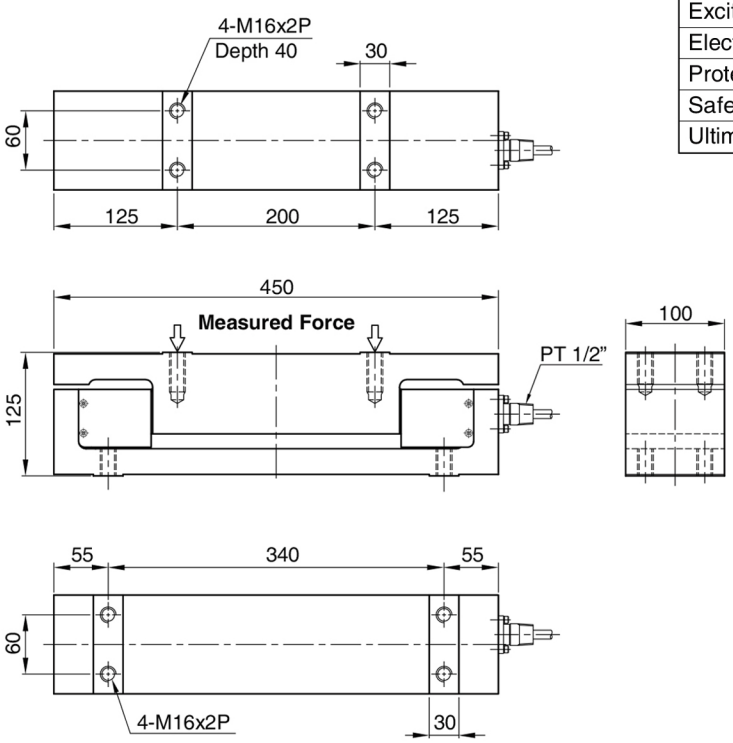
WIRING INFORMATION

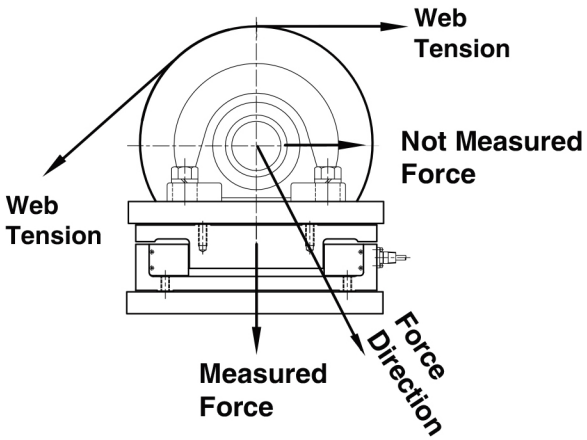


SPECIFICATIONS

TYPE	PBTK100
Rated capacity (R.C.)	50, 70, 100kN
Rated output(R.O.)	1.0mV/V ± 0.25%
Non-linearity	≤0.2% R.O.
Hysteresis	≤0.2% R.O.
Non-repeatability	≤0.1% R.O.
Creep error	≤0.1% in 20min.
Zero balance	≤1% R.O.
Compensated temperature range	-10 ~ 70°C
Operating temperature range	-20 ~ 80°C
Temp. effect on rated output	≤0.03% LOAD/10°C
Temp. effect on zero balance	≤0.03% R.O./10°C
Terminal input resistance	700 Ohms ± 3.5 Ohms
Terminal output resistance	700 Ohms ± 5 Ohms
Insulation resistance (Min.)	2000 MOhms at 50V DC
Excitation voltage	10V(Recommended), 15V(Max.)
Electrial connection	Ø9mmx6m(22AWG x 4Core Shielded)
Protection class	meets IP 67
Safe overload	450% R.C
Ultimate overload	800% R.C

PBTK100 - 50,70,100kN





* Specifications are subject to change without notice