



Precision Transducers Ltd.



Model PT4000

UNIVERSAL S-BEAM

50~20,000 Pounds 20kg~5000kg

APPLICATIONS

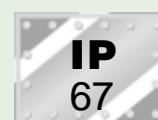
- Mechanical scale conversions
- Tank, bin & hopper weighing
- Truck scale conversions
- Level and inventory monitoring
- Tension/compression measurements
- Materials testing, bi-directional
- Crane scales
- US/EEC standard fittings



FEATURES

- Wide choice of capacities from 50lb to 20klb with UNF threads and 20kg to 5t with metric threads
- All capacities feature a matched 3 mV/V output in a compact rugged alloy tool steel design
- Low profile with low sensitivity to axial loads
- 3 year warranty
- Sealed to IP67 standards
- ISO 9001 certified manufacturing facilities

<http://www.precisiontransducers.com>





Model PT4000

UNIVERSAL S-BEAM

50~20,000 Pounds 20kg~5000kg

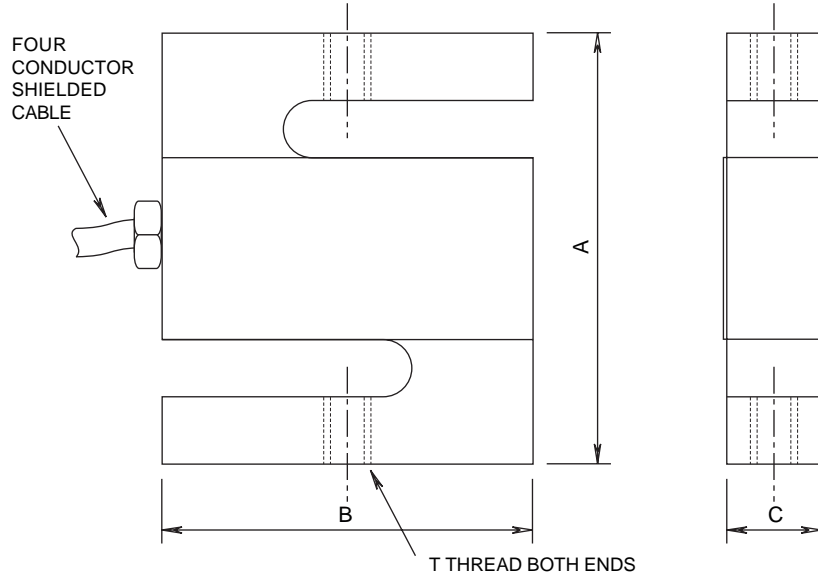
Ordering Information

Capacity	Model
50lb	PT4000-50lb
100lb	PT4000-100lb
150lb	PT4000-150lb
200lb	PT4000-200lb
250lb	PT4000-250lb
300lb	PT4000-300lb
500lb	PT4000-500lb
750lb	PT4000-750lb
1000lb	PT4000-1000lb
1500lb	PT4000-1500lb
2000lb	PT4000-2000lb
2500lb	PT4000-2500lb
3000lb	PT4000-3000lb
5000lb	PT4000-5000lb
10000lb	PT4000-10000lb
20000lb	PT4000-20000lb
20kg	PT4000-20kg
50kg	PT4000-50kg
100kg	PT4000-100kg
200kg	PT4000-200kg
500kg	PT4000-500kg
1000kg	PT4000-1000kg
2000kg	PT4000-2000kg
3000kg	PT4000-3000kg
5000kg	PT4000-5000kg

*other capacities available on application

Cable Colour Code

Excitation +ve	Red
Excitation -ve	Black
Signal +ve	Green
Signal -ve	White



A full range of accessories is available, please contact us for further details

Dimensions

Capacity	A	B	C	T
50lb – 300lb	2.5"	2.0"	0.62"	1/4" UNF
500lb – 1500lb	2.5"	2.0"	0.87"	1/2" UNF
2000lb – 2500lb	2.5"	2.0"	1.1"	1/2" UNF
3000lb	3.0"	2.0"	1.1"	1/2" UNF
5000lb – 10000lb	4.0"	3.0"	1.3"	3/4" UNF
20000lb	5.9"	4.5"	2.0"	1 1/4" UNF
20kg – 100kg	63.5mm	51mm	16mm	M8x1.25P
200kg – 500kg	63.5mm	51mm	22mm	M12x1.75P
1000kg	63.5mm	51mm	28mm	M12x1.75P
2000kg	101.6mm	76mm	33mm	M20x1.5P
3000kg – 5000kg	101.6mm	76mm	33mm	M24x2P

Specifications

Zero Balance	< 1.00 % FSO	Input Resistance	400–430 Ohms
Non-Linearity	< 0.017 % FSO	Output Resistance	349–355 Ohms
Non-Repeatability	< 0.01 % FSO	Insulation Resistance	> 5000 Mohms at 100 VDC
Hysteresis	< 0.02 % FSO	Excitation Voltage (recommended)	5–15 Volts DC
Combined Error	< 0.03 % FSO	Excitation Voltage (maximum)	18 Volts DC
Creep Error	< 0.02 in 20 minutes % FSO	Sideload Rejection Ratio	500:1
Temperature Effect on Span °F	< 0.0008 % FSO	Safe Load	150% of Rated Capacity
Temperature Effect on Zero °F	< 0.0015 % FSO	Cable Type	4 conductor screened, 24 AWG
Rated Output (±0.1%)	3.0 mV/V	Cable Length	20 ft / 6 m standard or to order
Compensated Temperature Range	14° to 104° F / -10° to 40° C	Environmental Protection	IP67 Standards
Operating Temperature Range	0° to 150° F / -18° to 65° C	Material	Alloy Tool Steel
Storage Temperature Range	-60° to 185° F / -50° to 85° C	Finish	Electroless Nickel



Precision Transducers Ltd.

Sales & Product Information

P.O. Box 7205, Baulkham Hills, BC, NSW 2153, Australia

International	Fax +61 2 9680 7014	Phone +61 2 9680 7966
Australia	Fax 02 9680 7014	Phone 1800 777 866
New Zealand	Fax 0800 333 321	Phone 0800 543 210
Email	sales@precisiontransducers.com	

<http://www.precisiontransducers.com>



Due to Precision Transducer's policy of continuous development, these specifications are subject to change without notice.