

PST Series



Capacity	Model
20kg	PST 20
50kg	PST 50
100kg	PST 100
250kg	PST 250
500kg	PST 500
1000kg	PST 1000

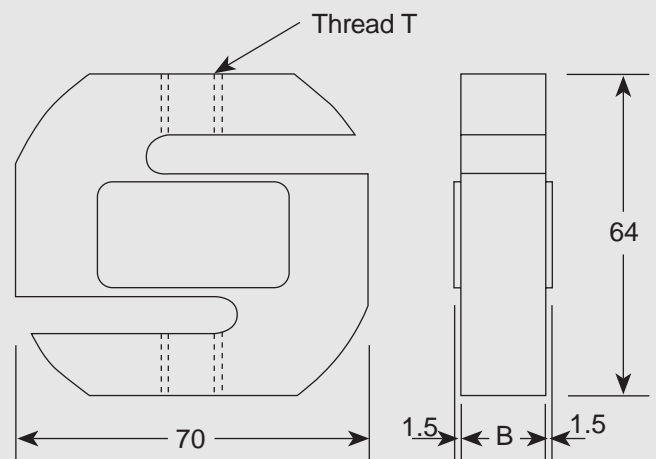
Features

- Trade accuracy (OIML)
- Robust tool steel construction
- Output matched to simplify corner adjustments
- Suitable for single or multi-point weighing
- Simple installation
- Fully encapsulated
- Corrosion resistant
- Electroless nickel plated
- Full range of mounting accessories
- Models for operation from -50 to 200 deg. C

Specifications

Nominal capacity	20 Kg to 1000kg
Nominal output at capacity	2mV/V ± 0.1%
Factory calibration mode	Compression
Linearity error	0.017%
Repeatability	0.01%
Zero return, creep (30 mins).....	0.015%
Temp. effect span/10 deg. C	0.01%
Temp. effect zero/10 deg. C.....	0.015%
Insulation resistance - brg. to gnd	>5000 M ohms
Insulation resistance - cbl. to gnd	>1000 M ohms
Compensated temp. range	-10 to 50 deg. C
Output resistance	352.2 ohms
Input resistance	410 ohms nominal
Service load.....	100% of capacity
Safe load	150% of capacity
Mechanical failure	>300% of capacity
Recommended excitation	5V to 15V ac/dc
Maximum excitation	15V dc
Environmental protection	IP65

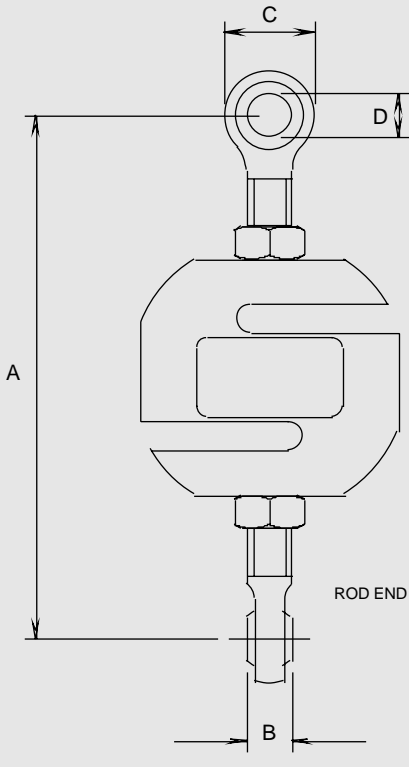
** All specifications are a maximum, as a % (±) of full load, unless otherwise stated.



MODEL	B	T
PST 20	12	M8 x 1.25
PST 50	12	M8 x 1.25
PST 100	12	M8 x 1.25
PST 250	19	M12 x 1.75
PST 500	19	M12 x 1.75
PST 1000	25	M12 x 1.75

PST ACCESSORIES

Dimensions in mm
(Third angle projection)



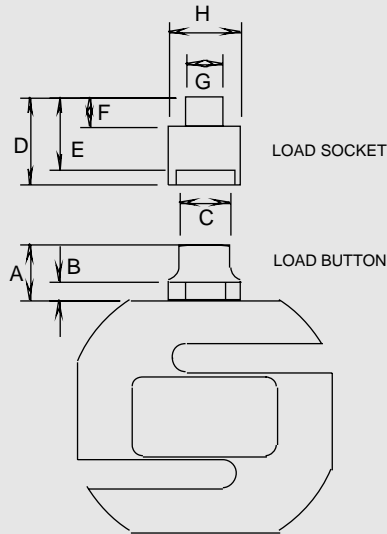
PST 20kg-100kg 250kg-1000kg

A	115-130	135-145
B	12	16
C	22	30
D	8	12

Rod ends are used with the **PST** loadcell for tension applications. They are used singularly or in pairs and provide ease of installation with self aligning action.

PST ACCESSORIES

Dimensions in mm
(Third angle projection)



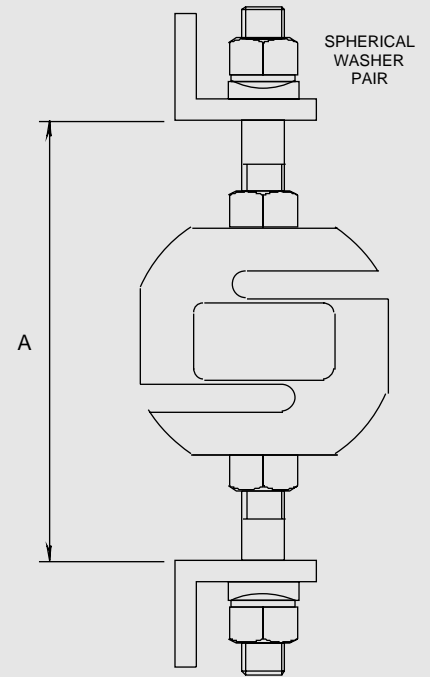
PST 20kg-100kg 250kg-1000kg

A	12	12
B	5	5
C	14	14
D	22	22
E	18	18
F	8	8
G	10	10
H	20	20

A load button and hardened socket is used with the **PST** in compression applications. With the loadcell rigidly fixed at the base, load is applied through the socket. If a load button is attached top and bottom the loadcell converts to self centring pendle action.

PST ACCESSORIES

Dimensions in mm
(Third angle projection)



PST 20kg-1000kg

A LENGTH TO SUIT 130mm MINIMUM

Spherical washers are used with the **PST** in suspended load applications. Used in conjunction with tension rods of any length they simplify installation whilst overcoming the drawbacks of rigid mounting.

CABLING

RED	+	EXCITATION
BLACK	-	EXCITATION
GREEN	+	SIGNAL
WHITE	-	SIGNAL

CABLE IS FOUR CORE SILVER GREY QUALITY POLYURATHANE SHEATHED WITH SCREEN AND HAS A STANDARD LENGTH OF THREE METRES.

ACCESSORIES

ACCESSORY LIST

ACCESSORY PART CODE

	PST	20	50	100	250	500	1000
1 ROD END BEARINGS	A-REM8	A-REM8	A-REM8	A-REM8	A-REM12	A-REM12	A-REM12
2 LOAD BUTTON	A-LBM8	A-LBM8	A-LBM8	A-LBM8	A-LBM12	A-LBM12	A-LBM12
3 LOAD SOCKET	A-LS20	A-LS20	A-LS20	A-LS20	A-LS20	A-LS20	A-LS20
4 SPHERICAL WASHERS	A-SW8/20	A-SW8/20	A-SW8/20	A-SW8/20	A-SW12/23	A-SW12/23	A-SW12/23

PST LOADCELL ACCESSORIES ARE QUALITY ITEMS ENGINEERED FROM TOOL STEEL, HARDENED AND TEMPERED TO LAST AND PLATED TO PROTECT AGAINST CORROSION. STATE LOADCELL MODEL AND CAPACITY WHEN ORDERING LOADCELL ACCESSORIES.



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