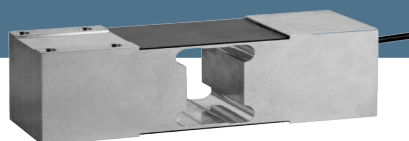
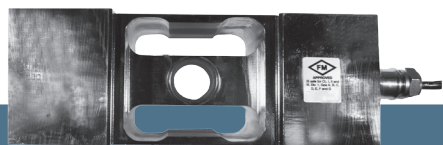


# BRICK TYPE SINGLE POINT SERIES



## HI SPB1 and HI SPA60 Brick Type Single Point Load Sensors

The Hardy Process Solutions brick type series of single point load cells are designed for the OEM, conveyor and bench scale markets which require accurate measurements during off-center load conditions. They are built to perform in industrial packaging, dispensing, and dosing applications. These sensors feature C2® calibration capabilities and come with three meters (9-10 ft) of cable.

The HI SPB1 is a 17-4PH stainless steel single point load cell with complete hermetic sealing. It is ideal for bench and floor scales, conveyor scales, check weighers, packing machines, and industrial process control. With IP68/IP69K, the HI SPB1 is a perfect fit for use in harsh industrial environments. With a wide range of capacities from 50 kg (110lb) to 1,000 kg (2.2Klb), it is highly resistant to impacts and features an integral mounting spacer. It supports a maximum platform size up to 1000 mm x 1000 mm (39.37 in x 39.37in).

The HI SPA60 is an aluminium brick type single point load cell with improved potting. It features a wide range of capacities from 30 kg to 750 kg and features IP67 environmental protection. The maximum platform size it supports is 600 x 600 mm (23.62 in x 23.62 in).

SPECIFICATIONS	HI SPB1	HI SPA60
Rated Output (ES)	2mV/V ±5%	2mV/V ±10%
Max # Verification Int.	3000	3000
Min Verification Int.	Emax/12500	Emax/7500
Non-Linearity	< ±0.0166 % R.O.	< ±0.0166 % R.O.
Hysteresis	< ±0.0166 % R.O.	< ±0.0166 % R.O.
Zero Balance	< ±5.0 % R.O.	< ±5.0 % R.O.
Combined Error	< ±0.02 % R.O.	< ±0.02 % R.O.
Creep @ 30 Min.	< ±0.0166 % R.O.	< ±0.0166 % R.O.
Temp Effect Output	< ±0.0112 % R.O./C	< ±0.0187 % R.O./C
Temp Effect Sensitivity	< ±0.010 % R.O./C	< ±0.010 % R.O./C
Input Resistance ohm	1100 ±50	413 ±20
Output Resistance ohm	960 ± 50	350 ± 25
Insulation Resistance	≥5000 Mohm	≥5000 Mohm
Excitation	5 - 15 vdc	5 - 15 vdc
Safe Load Limit	200 % Emax	150 % Emax
Ultimate Load	300 % Emax	300 % Emax
Safe Side Load	100 % Emax	100 % Emax
Material	SS 17-4PH (1.4548)	Aluminum
Sealing	Hermetically Sealed	Potted
Protection & Hazardous	IP68/IP69K FM IS Class 1, Div 1	IP67 FM IS Class 1, Div 1
Warranty	Two years	Two years

### ORDERING INFORMATION

No mounting hardware. Shipping Wt. approx. 5lb for HISPA60, 14 lbs. HISPB1.

Capacity		Model#
lbs*	kg	Load Sensor
110 lb	50 kg	HISPB1-50
220 lb	100 kg	HISPB1-100
551 lb	250 kg	HISPB1-250
1102 lb	500 kg	HISPB1-500
2205 lb	1000 kg	HISPB1-1000

Capacity		Model#
lbs*	kg	Load Sensor
66 lb	30 kg	HISPA60-30
110 lb	50 kg	HISPA60-50
220 lb	100 kg	HISPA60-100
440 lb	200 kg	HISPA60-200
660 lb	300 kg	HISPA60-300
1102 lb	500 kg	HISPA60-500
1653 lb	750 kg	HISPA60-750

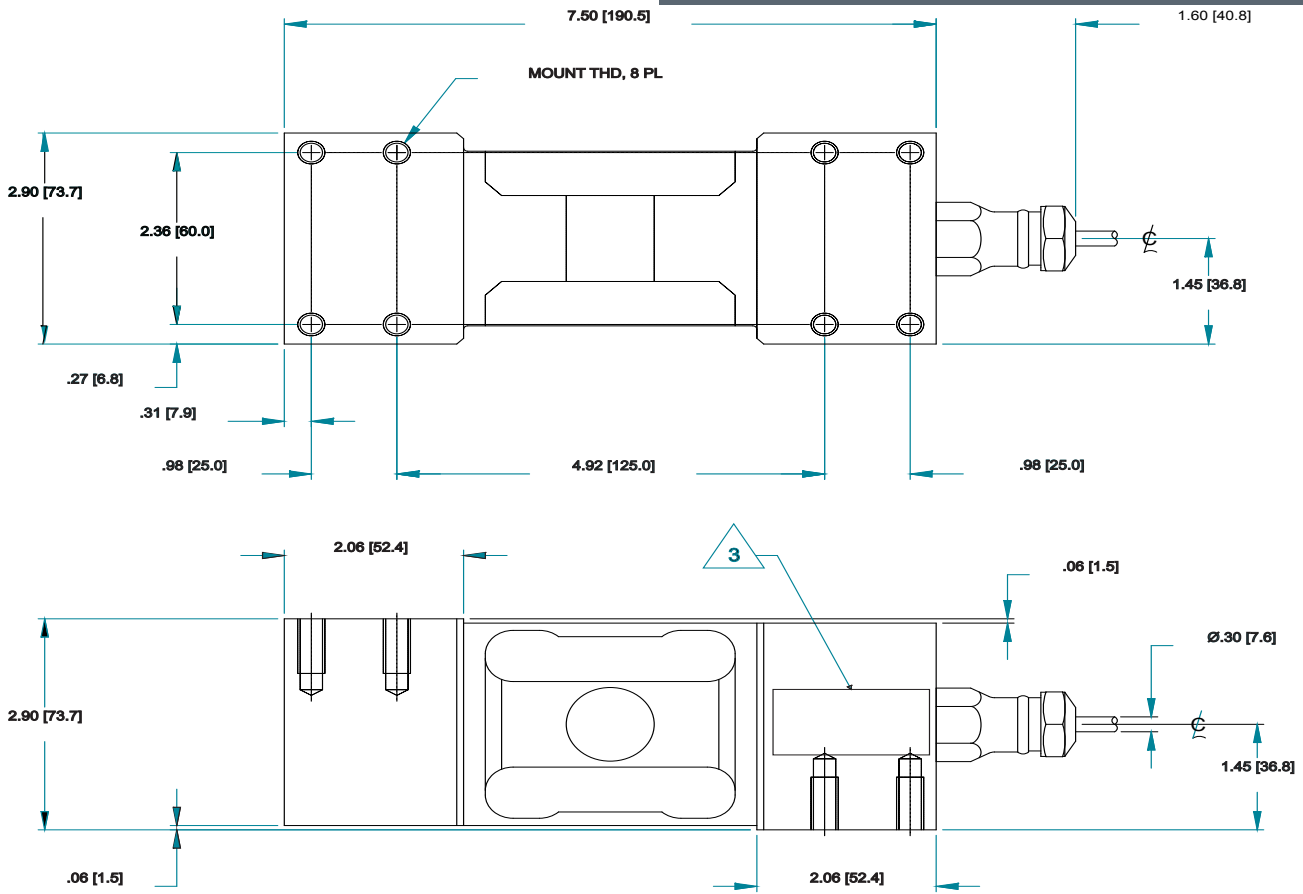
\* Lbs estimated based on kg conversion.

C2 WIRE COLOR CODE FLAG LABEL IS FOUND APPROX. 10 IN. FROM END OF SENSOR'S CABLE	
EXCITATION +	RED
EXCITATION -	BLACK
SIGNAL +	GREEN
SIGNAL -	WHITE
C2+	GRAY
C2 -	VIOLET
SHIELD	YELLOW

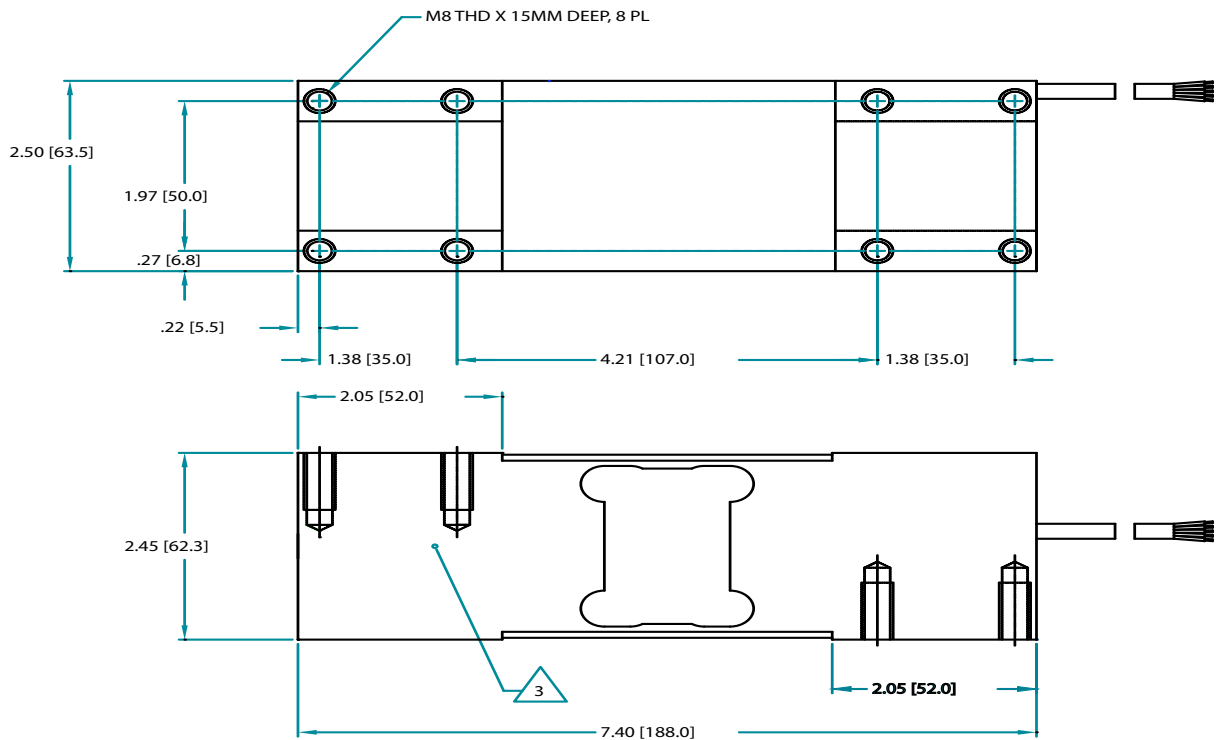
CABLE LENGTH 9-10 FEET

**WARNING: NEVER cut load sensor cable**

## HISPBI Single Point Stainless Steel Brick



## HISPA60 Single Point Aluminum Brick



800.821.5831

+1 858.278.2900