

# HISP7 SINGLE POINT

## HI SP7 Single Point Stainless Steel Load Sensor



The Hardy Process Solutions HI SP7 single point load cell is designed for gas cylinder scales, bench and floor scales, conveyor scales, check weighers, packing machines, and industrial process control. Its polished stainless construction and hermetic sealing make it a fantastic fit for sanitary food and beverage applications. These sensors feature C2<sup>®</sup> calibration capabilities and come with three meters (9-10 ft) of cable.

The HI SP7 is polished 17-4PH stainless steel with complete hermetic sealing. With IP68/IP69K, the HI SP7 is a perfect fit for use in harsh industrial environments. With a wide range of capacities from 100kg (220lb) to 550 kg (1.1Klb), it is an ideal fit for many industrial packaging applications. It supports a maximum platform size up to 600 mm x 600 mm (23.62 in x 23.62 in).

### SPECIFICATIONS HISP7

Rated Output (ES)	2mV/V ±5%
Max # Verification Int.	3000
Min Verification Int.	E <sub>max</sub> /12500
Non-Linearity	< ±0.0166 % R.O.
Hysteresis	< ±0.0166 % R.O.
Zero Balance	< ±5.0 % R.O.
Combined Error	< ±0.02 % R.O.
Creep @ 30 Min.	< ±0.0166 % R.O.
Temp Effect Output	< ±0.0112 % R.O./C
Temp Effect Sensitivity	< ±0.010 % R.O./C
Input Resistance ohm	380 ±20
Output Resistance ohm	350 ± 10
Insulation Resistance	>5000 Mohm
Excitation	5 - 15 vdc
Safe Load Limit	200 % E <sub>max</sub>
Ultimate Load	300 % E <sub>max</sub>
Safe Side Load	100 % E <sub>max</sub>
Material	SS 17-4PH (1.4548)
Sealing	Hermetically Sealed
Protection & Hazardous	IP68/IP69K
Warranty	Two years

### ORDERING INFORMATION

No mounting hardware. Shipping Wt. approx. 5.5 lb

Capacity		Model#
lbs*	kg	Load Sensor
220lb	100kg	HISP7-100
551lb	250kg	HISP7-250
1102lb	500kg	HISP7-500

\* 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

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## DIMENSIONS- INCHES & [mm]

MODEL NUMBER	CAPACITY LBS [KG]	MOUNT THD	THD TORQUE
HI SP7-100	220 LB [100KG]	M8 X 1.25 .47 [12MM] DEEP	18 LB-FT [25NM]
HI SP7-250	550 LB [250KG]		
HI SP7-500	1.1 KLB [500KG]		

TOLERANCES: ±0.01 [0.3] UNLESS OTHERWISE STATED

