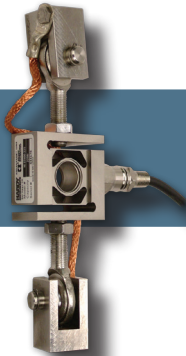


## ADVANTAGE LINE - LOW TO HIGH CAPACITY



### HI HLPT

### Hermetic Load Point Assembly Tension

The Hardy HI HLPT ADVANTAGE® Series, tension load point systems are designed for use on low to medium capacity vessels.

Each load point consists of mounting hardware and a stainless steel mV/V and mV/V/ohm matched load sensor with true hermetic sealing, C2® Electronic Calibration capabilities, on-board electronic certs, a ¼ NPT conduit adapter and twenty feet of cable. Each load point includes clevis style mounting hardware to provide exceptional accuracy while accommodating for side forces. A grounding strap and fixed color code wiring label are provided with each load point. The mounting hardware is available in either stainless or zinc plated steel for capacities up to 4.5K pounds and galvanized steel in higher capacities. The load sensors have an IP rating of IP68/IP69K.

The HI HLPT is available in the following standard capacities: 225 lbs, 450 lbs, 1,125 lbs, 2.25K lbs, 4.5K lbs and 11.25K lbs.

SPECIFICATIONS	HISTH06	HISTH01
Rated Capacity	225/450/1125 lbs	2250/4500/11250 lbs
Rated Output (ES)	2±0.002mV/V	2±0.002mV/V
Max # Verification Int.	3000	3000
Min Verification Int.	Emax/10200	Emax/12000
Non-Linearity	<±0.0166 % R.O.	<±0.0166 % R.O.
Hysteresis	<±0.0166 % R.O.	<±0.0166 % R.O.
Zero Balance	<±5% R.O.	<±5% 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	<±0.0137 % R.O./C	<±0.0246% R.O./C
Temp Effect Sensitivity	<±0.010 % R.O./C	<±0.010 % R.O./C
Input Resistance	1100± 50 ohm	1100 ± 50 ohm
Output Resistance	1000 ± 2 ohm	1000 ± 2 ohm
Insulation Resistance	≥5000 Mohm	≥5000 Mohm
Excitation	5 - 15 vdc	5 - 15 vdc
Compensated Temp	°C -10 to +40	°C -10 to +40
Operating Temperature	°C -20 to +80	°C -20 to +80
Safe Load Limit	200 % Emax	200 % Emax
Ultimate Load	300 % Emax	300 % Emax
Construction	Stainless Steel 17-4PH	Stainless Steel 17-4PH
Sealing	Hermetically Sealed	Hermetically Sealed
Approvals	IP68/IP69K FM IS Class I, Div 1	IP68/IP69K FM IS Class I, Div 1
Warranty	Two years	Two years

### ORDERING INFORMATION

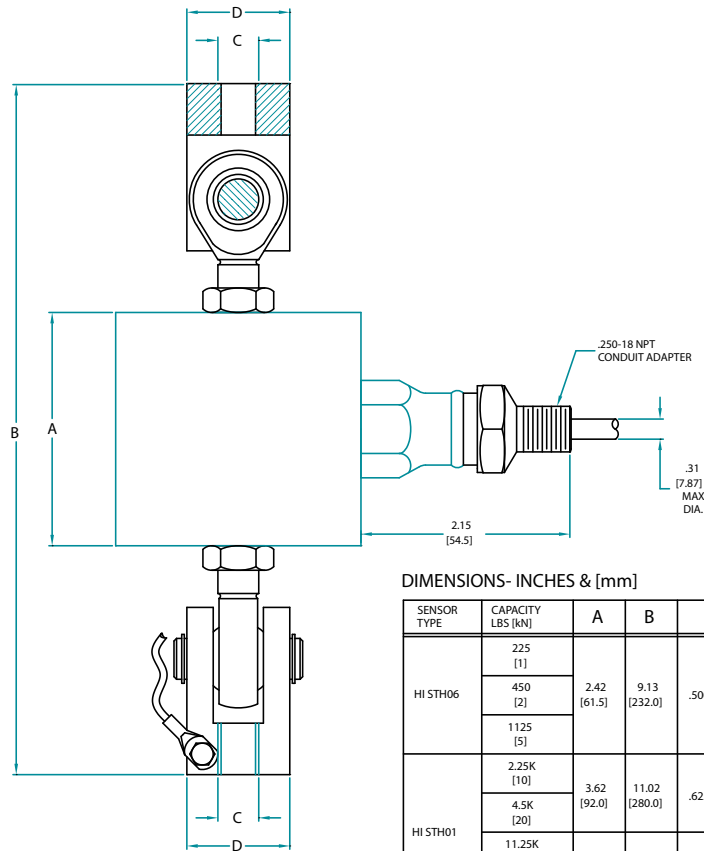
Load Point can be ordererd with stainless hardware (-43C) as shown, or zinc plated hardware (-45C). Note: 11.25K available in Zinc Plated Only. Shipping weight for load points approx. 10-35 lbs, Sensor 4 lbs.

Capacity	Model #		Model#
	lbs	mt	FIXED Assy
225	0.1	HI HLPT225-43C	SPARE Load Sensor HI STH06-225
450	0.2	HI HLPT450-43C	HI STH06-450
1,125	0.5	HI HLPT1125-43C	HI STH06-1125
2.25K	1	HI HLPT2.25K-43C	HI STH01-2.25K
4.5K	2	HI HLPT4.5K-43C	HI STH01-4.5K
11.25K	5	HI HLPT11.25K-45C	HI STH01-11.25K

All information and drawings on these pages are subject to change without notice. Consult website for latest specifications.

## ADVANTAGE Load Point Outline

### HI HLPT Series



DIMENSIONS- INCHES & [mm]

SENSOR TYPE	CAPACITY LBS [kN]	A	B	C	D
HI STH06	225 [1]	2.42 [61.5]	9.13 [232.0]	.500-13 UNC	1.38 [35.0]
	450 [2]				
	1125 [5]				
HI STH01	2.25K [10]	3.62 [92.0]	11.02 [280.0]	.625-11 UNC	1.77 [45.0]
	4.5K [20]				
	11.25K [50]	5.35 [136.0]	14.96 [380.0]	1.000-8 UNC	2.36 [60.0]

C2 WIRE COLOR CODE FLAG LABEL IS FOUND APPROX. 10 IN. FROM END OF SENSOR'S CABLE

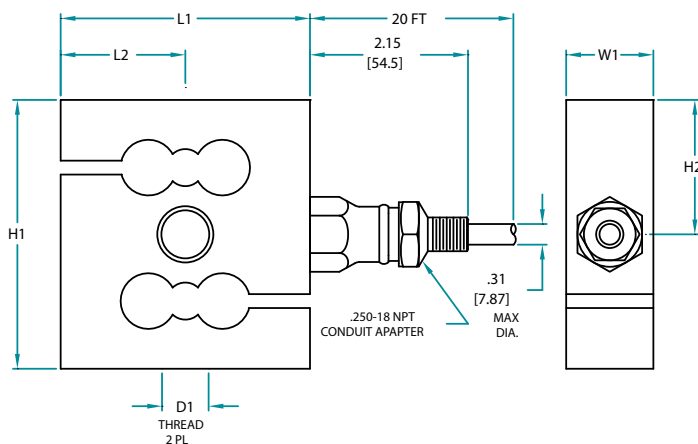
EXCITATION +	RED
EXCITATION -	BLACK
SIGNAL +	GREEN
SIGNAL -	WHITE
C2+	GRAY
C2 -	VIOLET
SHIELD	YELLOW

WARNING: NEVER cut load sensor cable

CABLE LENGTH: 20 FEET

## HI STH06 & HI STH01 Load Sensor Outline

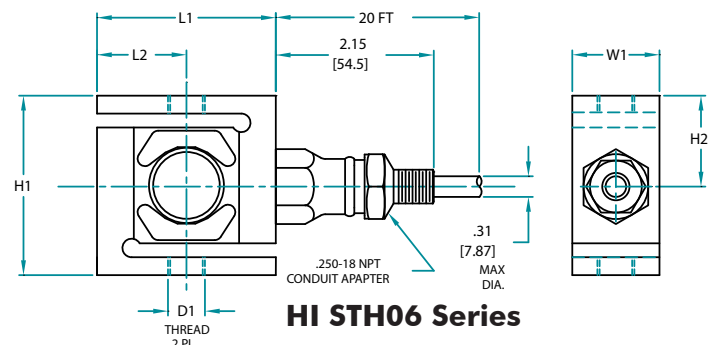
### HI STH01 Series



DIMENSIONS- INCHES & [mm]

CAPACITY LBS [kN]	H1	H2	L1	L2	W1	D1 THREAD
225, 450, 1125 [1] [2] [5]	2.42 [61.5]	1.21 [30.7]	2.42 [61.5]	1.21 [30.7]	1.18 [30.0]	500-20 UNF
2.25K, 4.5K [10] [20]	3.62 [92.0]	1.81 [46.0]	3.38 [86.0]	1.69 [43.0]	1.18 [30.0]	.625-18 UNF
11.25K [50]	5.35 [136.0]	2.86 [68.0]	5.62 [143.0]	2.81 [71.5]	1.69 [43.0]	1-12 UNF

TOLERANCES: ±0.015 [0.4] UNLESS OTHERWISE STATED



### HI STH06 Series