

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 assembly is specifically designed to eliminate the effects of unwanted forces to provide exceptional accuracy. 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 and are NTEP Class III.

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

Rated Output (ES)	2±0.002mV/V
Non-Linearity	<±0.018 % R.O.
Hysteresis	<±0.025 % R.O.
Zero Balance	<±1.0 % R.O.
Creep @ 5 Min.	<±0.010 % R.O.
Temp Effect Output	<±0.0014 % R.O./C
Temp Effect Sensitivity	<±0.0007 % R.O./C
Input Resistance	1106 ± 5 ohm
Output Resistance	1000 ± 1 ohm
Insulation Resistance	>5000 Mohm
Excitation	5 - 15 vdc
Safe Load Limit	200 % Emax
Ultimate Load	300 % Emax
Warranty	Two years

ORDERING INFORMATION

Load Point can be ordererd with Stainless Hardware (43C) as shown, or zinc plated Hardware (-45C)

Shipping Weight for Load Point approx. 10-35 lbs, Sensor 4 lbs.

Capacity	Model #		Model#
	lbs	mt	SPARE Load Sensor
225	0.1	FIXED Assy	HI STH06-225
		HI HLPT225-43C	
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-43C	HI STH01-11.25K

Load points can be ordered as a system rather than ordering individual components.

3 POINT SYSTEMS

CAPACITY		MODEL#
lbs	mt	
675	0.3	HI 3T675-43
1.35K	0.6	HI 3T1.35K-43
3.375K	1.5	HI 3T3.375K-43
6.75K	3.1	HI 3T6.75K-43
13.5K	6.1	HI 3T13.5K-43
33.75	15.3	HI 3T33.75K-45

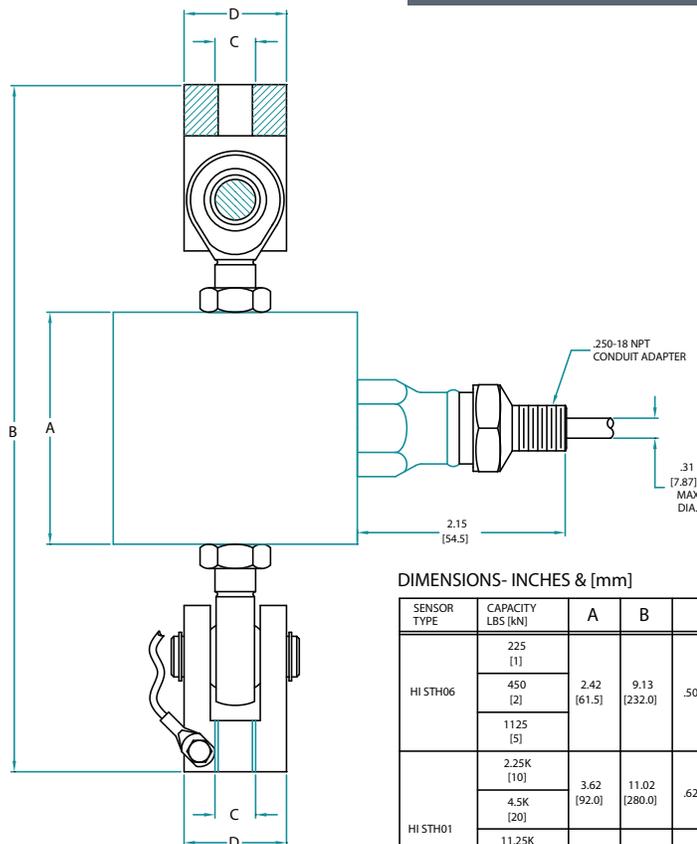
4 POINT SYSTEMS

CAPACITY		MODEL#
lbs	mt	
900	0.5	HI 4T900-43
1.8K	0.8	HI 4T1.8K-43
4.5K	2.0	HI 4T4.5K-43
9K	4.1	HI 4T9K-43
18K	8.2	HI 4T18K-43
45K	20.4	HI 4T45K-45

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

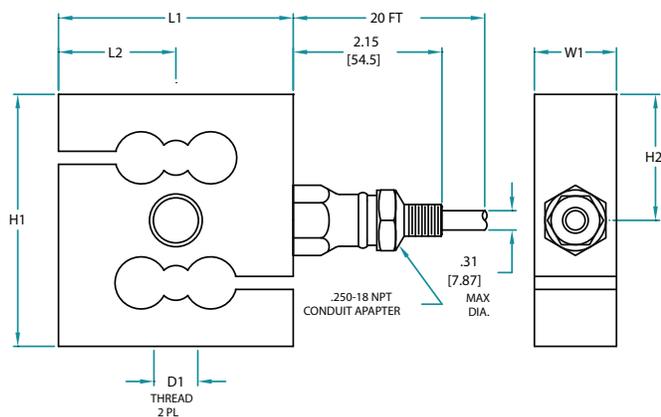
ADVANTAGE Load Sensor Outline

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



HI STH01 Series

