# **H35**

## Beam Load Cell

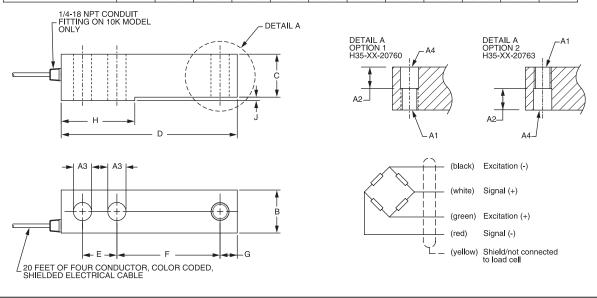


### **Special Features**

- Capacity range from 500 to 10,000 Lbs.
- Stainless steel construction
- 3 mV/V output, 350 ohm bridge
- Hermetically sealed
- NTEP-certified

#### Dimensions: inch (mm)

MAXIMUM CAPACITY (lbs)	A1	A2	А3	A4	В	С	D	Е	F	G	Н	J
500, 1K, 2.5K, 4K, 5K	1/2-20	0.62	0.53	0.53	1.21	1.12	5.12	1.00	3.00	0.50	2.27	0.07
	UNF-2B	(15.7)	(13.5)	(13.5)	(30.7)	(28.5)	(130.0)	(25.4)	(76.2)	(12.7)	(57.7)	(1.7)
10K	3/4-16	0.75	0.78	0.78	1.44	1.34	6.75	1.50	3.75	0.75	3.00	0.10
	UNF-2B	(19.1)	(19.8)	(19.8)	(36.8)	(34.0)	(171.5)	(38.1)	(95.3)	(19.1)	(76.2)	(2.8)





### **Specifications**

Model Type	H35								
Accuracy class	NTEP Class III								
Maximum number of load cell intervals (n <sub>LC</sub> )	5000 Divisions Multiple								
Maximum capacity (E <sub>max</sub> )	lb	500	1K	2.5K	4K	5K	10K		
Minimum load cell verification interval (V <sub>min</sub> )	lb	0.05	0.10	0.25	0.40	0.50	1.00		
Sensitivity (C <sub>n</sub> )	mV/V	3.0 ± .003							
Zero balance	IIIV/V	0.0 ± .060							
Temperature effect on zero balance (TK <sub>0</sub> )		± .02							
Temperature effect on sensitivity (TK <sub>c</sub> ) <sup>1)</sup>	% of C <sub>n</sub>								
Temperature range	/ 10°C								
+20+40°C [+70+105°F]		± .0175							
-10+20°C [+15+70°F]		± .0117							
Hysteresis error (d <sub>hy</sub> ) <sup>1)</sup>	% of C <sub>n</sub>	± 0.02							
Non-linearity (d <sub>lin</sub> ) <sup>1)</sup>	76 OI On	± 0.02							
Creep (d <sub>cr</sub> ) over 30 min.			± 0.03						
Input resistance (R <sub>LC</sub> )	Ω	>385							
Output resistance (R <sub>O</sub> )		350 ± 1.5							
Reference excitation voltage (U <sub>ref</sub> )	V	5 15							
Maximum excitation voltage (U <sub>max</sub> )									
Insulation resistance (R <sub>is</sub> )	GΩ			>					
Nominal temperature range (B <sub>T</sub> )		-1040 [14104]							
Service temperature range (B <sub>tu</sub> )	°C [°F]	-1570 [5158] -1585 [5185]							
Storage temperature range (B <sub>tl</sub> )									
Safe load limit (E <sub>L</sub> )				15					
Ultimate load limit (E <sub>d</sub> )	0/ -/ 5	300							
Lateral load limit (E <sub>Iq</sub> )	% of E <sub>max</sub>			10	00				
Permissible dynamic load (F <sub>srel</sub> ) (vibration amplitude according to DIN 50100)		70							
Deflection at E <sub>max</sub> (S <sub>nom</sub> ), approx.		0.02							
Weight, approx.	Ibs	2.5							
Protection class to EN60529 (IEC529)				IP	68				
Material: Measuring element Cable Fitting Gland Cable Sheath				Stainle Silic Polyure					
Coating/Plating		Electro-polished							

The sum of data for Non-linearity, Hysteresis and Temperature effect on sensitivity meets the requirements of NTEP HB44.







Due to continuous improvement, dimensions and specifications are subject to change without notice. All details describe our products in general form only. They are not to be understood as express warranty and do not constitute any liability whatsoever. Please request certified drawings before designing mountings or fixtures.

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