

A35

Load Cells

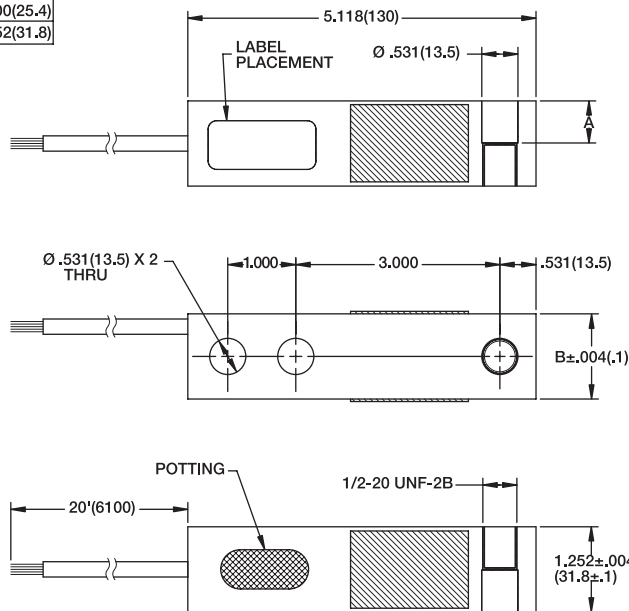


Special Features

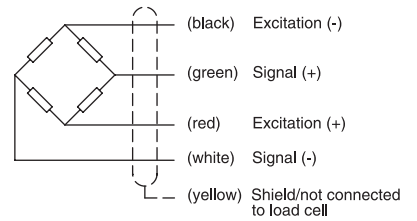
- Alloy steel
- Capacity range from 500 to 5,000 Lbs.
- High accuracy
- NTEP and FM approved
- Extremely rugged
- Environmentally protected

Dimensions: inch (mm)

CAPACITY	A	B
500	.500(12.7)	1.000(25.4)
1K-5K	.619(15.7)	1.252(31.8)



WIRING CODE:



Specifications

Type		A35						
Accuracy class		III						
Maximum number of load cell intervals (n_{LC})		5000 M						
Maximum capacity (E_{max})	lbs	500	1000	2000	2500	3000	4000	5000
Minimum load cell verification interval (V_{min})	% of E_{max}	0.0320						
Sensitivity (C_n)	mV/V	3.0 ± .01						
Zero balance		0.0 ± 0.06						
Temperature effect on zero balance (TC_0)	% of C_n	± 0.0450						
Temperature effect on sensitivity (TC_{span}) ¹⁾	/10C (-10C to 40C)	± 0.0500						
Hysteresis error (d_{hy}) ¹⁾	% of C_n	± 0.0170						
Non-linearity (d_{lin}) ¹⁾	% of C_n	± 0.0170						
Creep (d_{cr}) over 30 min.		± 0.0300						
Input resistance (R_{LC})	Ω	> 350						
Output resistance (R_O)		350 ± 2						
Reference excitation voltage (U_{ref})	V	5						
Maximum excitation voltage (U_{max})		15						
Insulation resistance at 100V _{DC}	G Ω	> 5						
Nominal temperature range (B_T)		-10 ... +40 [14...104]						
Service temperature range (B_{TU})	°C [°F]	-30 ... +70 [-22...158]						
Storage temperature range (B_{TI})		-50 ... +85 [-58...185]						
Safe load limit (E_L)		150						
Ultimate load limit (E_d)	% of E_{max}	300						
Lateral load limit (E_{lq})		100						
Deflection at maximum capacity, approx.	in	< 0.03						
Weight (G), approx.	lb	2						
Protection class to EN60529 (IEC529)		IP66						
Material: Measuring element		Alloy Steel						
Cable Fitting / Gland		Stainless Steel / BUNA						
Cable Sheath		PVC						

¹⁾ The sum of data for Non-linearity, Hysteresis and TC_{span} 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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HBM, Inc.

19 Bartlett Street
 Marlborough, MA 01752
 Tel. 800-578-4260 • 508-624-4500
 Fax 508-485-7480
 E-mail: info@usa.hbm.com
 Internet: www.hbm.com



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