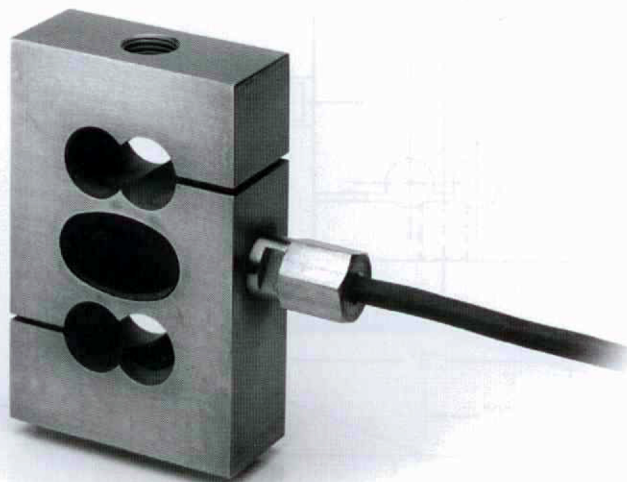




The RSC is a universal load cell for use in tension and compression for both scale conversions and vessel weighing applications

RSC
universal load cell



RSC universal load cell

technical data

Rated capacity (lbs)	50	100	200	300	500	1K	2K	3K	5K	10K
Rated output (mV/V)									2.0 ±	.20
Combined error due to non-linearity and hysteresis (%)										0.03
Non-repeatability (%)										0.01
Creep in 20 min (%)										0.03
Zero balance (%)										1.0
Compensated Temp. Range (°F/°C)							+14 to +104/-10 to +40			
Temp effect:										
Output (% of load/100°F)										0.08
Zero balance (% of load/100°F)										0.15
Terminal resistance:										
Input (ohms min.)										350
Output (ohms)									350 ±	1.5
Excitation voltage: Maximum VDC or VAC rms										18
Insulation resistance (megohms min.)									5000 at 50 VDC	
Max load safe (%)										150
Max load ultimate (%)										300
Deflection @ rated load (inches)	0.005	0.006	0.006	0.007	0.006	0.006	0.010	0.012	0.015	.018
Weight (lbs)	.9					1.7			3.5	4

Percentages relative to rated output, except as noted.
REQUEST CERTIFIED DRAWINGS BEFORE DESIGNING MOUNTINGS OR FIXTURES.
DIMENSIONS AND SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

- ➔ **Stainless steel**
- ➔ **Superior performance**
- ➔ **Compression and tension measurements**



HBM, Inc.

19 Bartlett Street
Marlboro, MA 01752

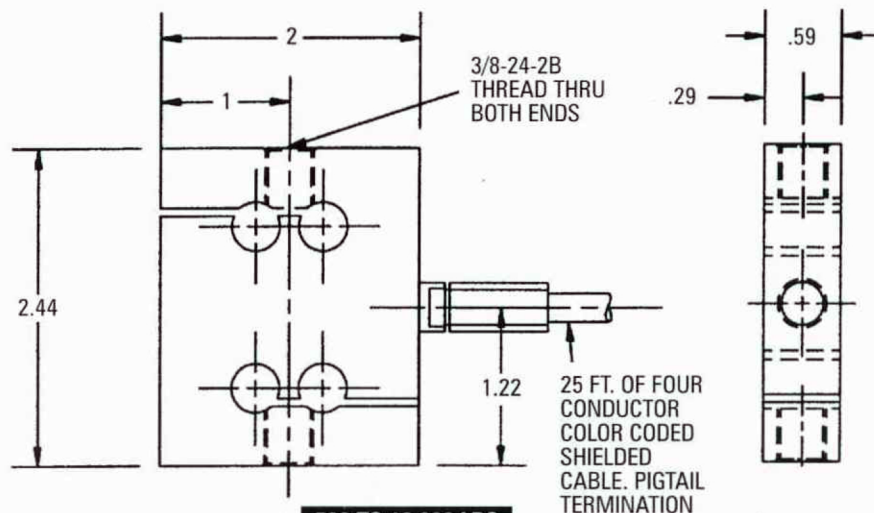
Tel: (508) 624-4500

Fax: (508) 485-7480

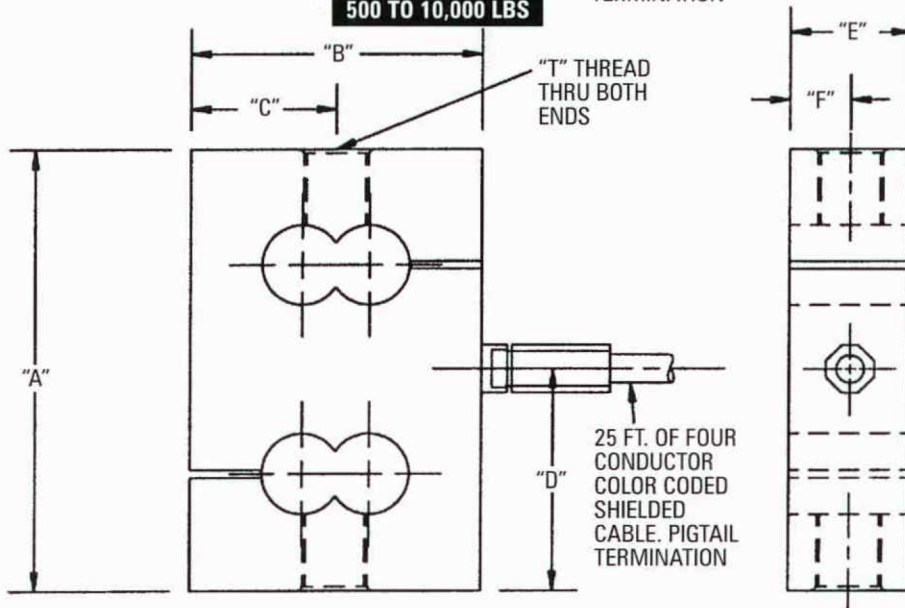
Website: www.hbm.com

RSC universal load cell

50 TO 300 LBS



500 TO 10,000 LBS



CAPACITY (POUNDS)

DIMENSIONS (INCHES)

CABLE COLOR CODE

	A	B	C	D	E	F	T-THREAD
500-3K	3.44	2.25	1.12	1.72	0.94	0.47	1/2 - 20UNF-2B
5K	3.94	2.75	1.38	1.97	1.19	0.59	3/4 - 16UNF-2B
10K	3.94	3.00	1.50	1.97	1.44	0.72	3/4 - 16UNF-2B

+ SIG WHITE

- EXC BLACK

+ EXC GREEN

- SIG RED

SHIELD YELLOW



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