

Model 1500 Standard Low Capacity Load Cell (U.S. & Metric)

Why the Interface model 1500 Standard Low Capacity Load Cell is the best in class:

- Proprietary Interface temperature compensated strain gages
- Performance to .05%
- Compact 2¾ in (70 mm) diameter
- Fatigue rated
- Eccentric load compensated
- .0008%/°F (.0015%/°C) temp. effect on output
- Shunt calibration
- Low deflection

OPTIONS* Page 169

Dual Bridge
Standardized Output
See Transducer Electronic Data Sheet (TEDS) Page 149

ACCESSORIES* Page 172

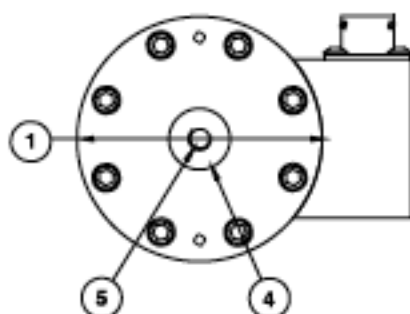
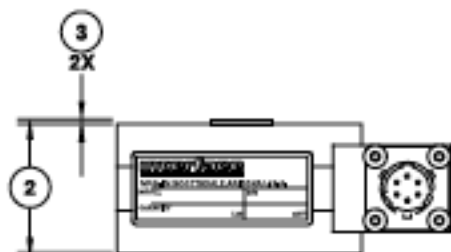
Mating Cable
Instrumentation
Mounting Hardware

*See appendix for more technical information

STANDARD CONFIGURATIONS

Single Bridge (1500ASK-nn)

Dual Bridge (1500ASL-nn)



SPECIFICATIONS

ACCURACY - (MAX ERROR)

Static Error Band-% FS	±0.05
Nonlinearity-% FS	±0.05
Hysteresis-% FS	±0.05
Nonrepeatability-% RO	±0.02
Creep, in 20 min-%	±0.025
Eccentric Load Sensitivity-%/in	±0.25

TEMPERATURE

Compensated Range-°F	15 to 115
Compensated Range-°C	-10 to 45
Operating Range-°F	-65 to 200
Operating Range-°C	-55 to 90
Effect on Output-%/°F - MAX	±0.0008
Effect on Output-%/°C - MAX	±0.0015
Effect on Zero-% RO/°F - MAX	±0.0015
Effect on Zero-% RO/°C - MAX	±0.0027

ELECTRICAL

Rated Output-mV/V (Nominal)	2.0
Zero Balance-% RO	±1.0
Bridge Resistance-Ohm (Nominal)	700
Excitation Voltage - VDC - MAX	20
Insulation Resistance - Megohm	5000

MECHANICAL

Calibration	Tension & Compression
Safe Overload-% CAP	±150
Connector	PT02E-10-6P
Deflection @ RO-inch	0.003 (0.08mm)
Natural Frequency	

lbf	N	Hz
25	125	2000
50	250	2500
100	500	4000
200	1000	6000
300	1500	7500

Weight1 lb (0.45 Kg)

DIMENSIONS

See Drawing	CAPACITY	
	U.S. (lbf)	Metric (N)
	25, 50, 100, 200, 300	125, 250, 500, 1000, 1500
	inch	mm
①	2.75	69.8
②	1.50	38.1
③	0.03	0.6
④	0.69	17.5
⑤	1/4-28 UNF 0.25 in deep	M6 X 1-6H 6.4 mm deep