

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
- .05% performance
- Compact 2¾ in (70 mm) diameter
- Fatigue rated
- Eccentric load compensated
- .0008%/°F (.0015%/°C) temp. effect on output
- Shunt calibration
- Low deflection



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	Tens. & Comp.
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

Weight 1 lb (0.45 Kg)

OPTIONS* Page 115

Dual Bridge
Standardized Output
See Transducer Electronic Data Sheet (TEDS) Page 118

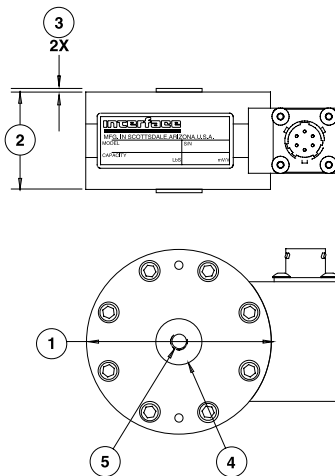
ACCESSORIES* Page 119

Mating Cable
Instrumentation
Mounting Hardware

*See appendix for more technical information

STANDARD CONFIGURATIONS

- Single Bridge (1500ASK-nn)
- Dual Bridge (1500ASL-nn)



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