

## Model 1500 Low Capacity Series Universal (U.S. & Metric)

Why INTERFACE 1500 Load Cells are the best in class:

- Proprietary Interface temperature compensated strain gages
- .05% accuracy
- Compact 2 3/4" (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 – 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\*

Dual bridge  
Standardized output

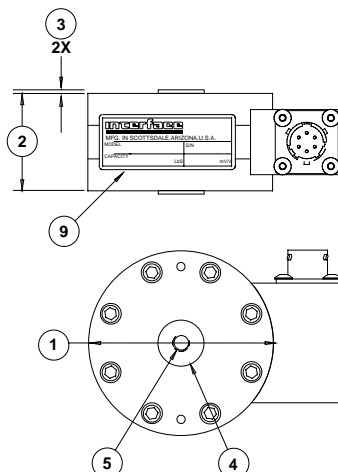
### ACCESSORIES\*

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. (lbs)	metric (N)
	inch	mm
	25, 50, 100, 200, 300	125, 250, 500, 1000, 1500
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	M6 X 1-6H
	0.25 in deep	6.4 mm deep