



# Model 1700 Flange Load Cell

Why the Interface model 1700 Flange Load Cell is the best in class:

- Standard flange design mounts directly to cylinders
- Proprietary Interface temperature compensated strain gages
- Performance to .05%
- Eccentric load compensated
- .0008%/°F (.0015%/°C) temp. effect on output
- Low deflection
- Shunt calibration
- Barometric compensation
- Tension and compression

## STANDARD CONFIGURATIONS

- 10 ft Integral Cable (12xxAJ-nn)
- <or> PC04E-10-6P Standard Connector (12xxAF-nn)
- <or> PT02E-10-6P Bayonet Connector (12xxACK-nn)

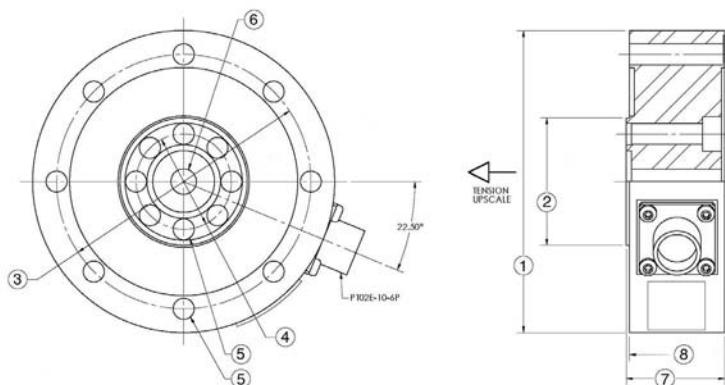
## OPTIONS

- Integral 10 ft Cable
- Bayonet Connector
- Multiple Bridge
- Standardized Output
- Connector Protection
- Transducer Electronic Data Sheet (TEDS)

## ACCESSORIES

Instrumentation

Consult factory for more technical information



## SPECIFICATIONS

### ACCURACY – (MAX ERROR)

Nonlinearity - % FS.....	±0.04
Hysteresis - % FS.....	±0.03
Nonrepeatability - % RO.....	±0.01
Creep, in 20 min - %.....	±0.025

### 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.....	±0.0008
Effect on Zero - % RO/°C – MAX.....	±0.0015

### ELECTRICAL

Rated Output- mV/V (nominal).....	2.0
Zero Balance - %RO.....	±1.0
Bridge Resistance – Ohm (nominal).....	350+/-3.5
Excitation Voltage – MAX.....	20 VDC
Insulation Resistance – Megohm.....	5000

### MECHANICAL

Calibration.....	Tension
Safe Overload - % CAP.....	±150
Length – ft.....	5

## DIMENSIONS

See Drawing	MODEL							
	1710		1720		1730			
	CAPACITY (lbf)							
	U.S. (lbf)	Metric (N)	U.S. (lbf)	Metric (N)	U.S. (lbf)	Metric (N)		
	550, 1.1K	2.5K, 5K	2.2K, 4.5K	10K, 20K	11K	50K		
	inch	mm	inch	mm	inch	mm		
①	<b>Consult factory for details</b>		3.74	95.0	3.98	101.1		
②			1.57	39.9	1.57	39.9		
③			3.15	80.0	3.39	86.1		
④			1.18	29.9	1.18	29.9		
⑤			0.26	6.6	0.26	6.6		
			8 places					
⑥			0.31	7.9	0.315	7.9		
⑦			1.22	31.0	1.22	31.0		
⑧	0.04	1.0	0.04	1.0				