

## Model 1700 Flange Load Cell

- Standard flange design mounts directly to cylinders
- Tension and compression
- Proprietary Interface temperature compensated strain gages
- Performance to 0.05%
- Eccentric load compensated
- 0.0008%/°F (0.0015%/°C) temp. effect on output



### OPTIONS

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

### ACCESSORIES

Instrumentation

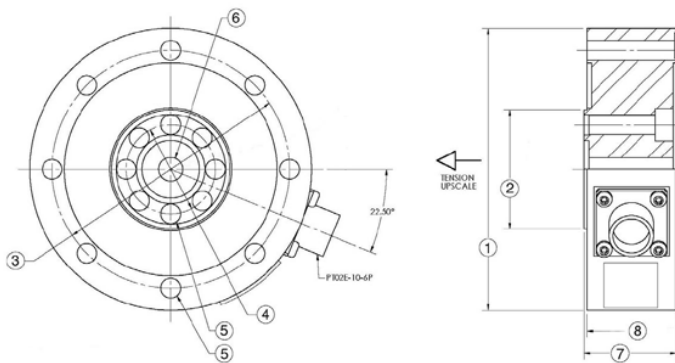
### STANDARD CONFIGURATIONS

Integral Cable (17xxAJ-nn)  
 PC04E-10-6P Standard Connector (17xxAF-nn)  
 PT02E-10-6P Bayonet Connector (17xxACK-nn)

### 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-VDC MAX	20
Insulation Resistance-Megohm	5000
MECHANICAL	
Calibration	T & C
Safe Overload-% CAP	±150

### DIMENSIONS



See Drawing	MODEL					
	1710		1720		1730	
	CAPACITY					
	U.S. (lbf)	Metric (kN)	U.S. (lbf)	Metric (kN)	U.S. (lbf)	Metric (kN)
	220, 550, 1.1K, 1.4K	1, 2.5, 5, 6.3	2.2K, 4.5K, 5.5K	10, 20, 25	11K, 13.9K	50, 63
	inch	mm	inch	mm	inch	mm
(1)	3.03	77.0	3.74	95.0	3.98	101.1
(2)	1.07	27.3	1.57	39.9	1.57	39.9
(3)	2.64	67.0	3.15	80.0	3.39	86.1
(4)	0.79	20.0	1.18	29.9	1.18	29.9
(5)	0.21	5.3	0.26	6.6	0.26	6.6
	6 places			8 places		
(6)	└─┬─┘ Ø.50 x .08 M10x1 thru		0.315	7.9	0.315	7.9
(7)	1.14	29.0	1.22	31.0	1.22	31.0
(8)	0.08	2.0	0.04	1.0	0.04	1.0