

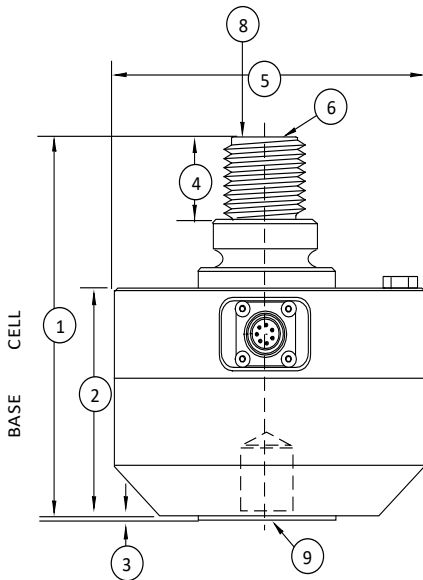
**FEATURES & BENEFITS**

- Capacities from 1.1K to 55K lbf (5 to 250 kN)
- Handcrafted excellence for the most demanding calibration requirements
- Tension and compression in one unit
- 0.005% nonrepeatability
- Capable of 2% lower load limit per ASTM E74
- High precision base installed
- ASTM E74 calibration standard
- Eccentric load compensated
- 0.0008%/°F temp. effect on output
- Connector protector standard

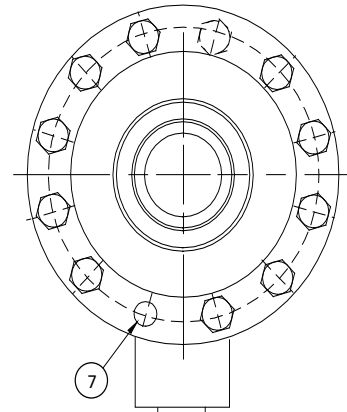
**STANDARD CONFIGURATION**



Model 1820CJY-50K (shown)



SIDE VIEW



TOP VIEW

**DIMENSIONS**

See Drawing	MODEL					
	1810		1820		1830	
	CAPACITY					
	U.S. (lbf)	Metric (kN)	U.S. (lbf)	Metric (kN)	U.S. (lbf)	Metric (kN)
	1.1K, 2.2K, 3.3K, 5.5K	5, 10, 15, 25	11K, 22K	50, 100	55K	250
in	mm	in	mm	in	mm	
(1)	4.65	118.1	6.85	174.0	8.26	209.7
(2)	3.28	83.3	4.13	104.9	5.00	127.0
(3)	0.03	0.8	0.03	0.8	0.03	0.8
(4)	0.75	19.1	1.50	38.1	1.88	47.8
(5)	4.13	104.9	6.06	154.0	8.00	203.2
(6)	6.00	152.4	6.00	152.4	8.00	203.2
(7)	8 Places		12 Places		16 Places	
(8)	¾-18 UNF-3A	M16x2 - 4H	1¼-12 UNF - 3A	M33x2 - 4H	1¼-12 UNF - 3A	M42x2 - 4H
(9)	¾-18 UNF - 3B ↓ 0.75	M16x2 - 4H ↓ 19.1	1¼-12 UNF - 3B ↓ 1.25	M33x2 - 4H ↓ 31.8	1¼-12 UNF - 3B ↓ 2.00	M42x2 - 4H ↓ 50.8

OPS v2.1 05-01-2018

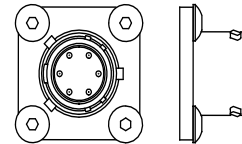
**SPECIFICATIONS**

ACCURACY – (MAX ERROR)		
Static Error Band – %FS		±0.05
Nonlinearity – %FS		±0.05
Hysteresis – %FS		±0.05
Non-repeatability – %RO		±0.02
Creep, in 20 min – %		±0.03
Eccentric Load Sensitivity – % / in		±0.25
TEMPERATURE		
Compensated Range	°F	+15 to +115
	°C	-10 to +45
Operating Range	°F	-65 to +200
	°C	-55 to +90
Effect on Output – % MAX	°F	±0.0008
	°C	±0.0015
Effect on Zero – %RO MAX	°F	±0.0015
	°C	±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
Deflection @ RO	in	0.003
	mm	0.08
Natural Frequency	(lbf)	25, 50, 100, 200, 300
	(N)	125, 250, 500, 1000, 1500
	(Hz)	2000, 2500, 4000, 6000, 7500
Weight	lbs	1
	kg	0.45
Material		Aluminum

**BAYONET CONNECTOR**



Model 1500ASK-300 (shown)



Model 1500AF-300 (shown)

