

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
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Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
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- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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SSM/SSM2 SEALED S-TYPE LOAD CELL (U.S. & METRIC)

FEATURES & BENEFITS

- Proprietary Interface temperature compensated strain gages
- Environmentally sealed
- 0.02% non-repeatability
- 0.0008%/°F (0.0015%/°C) temp. effect on output
- 0.025% creep
- Tension and compression

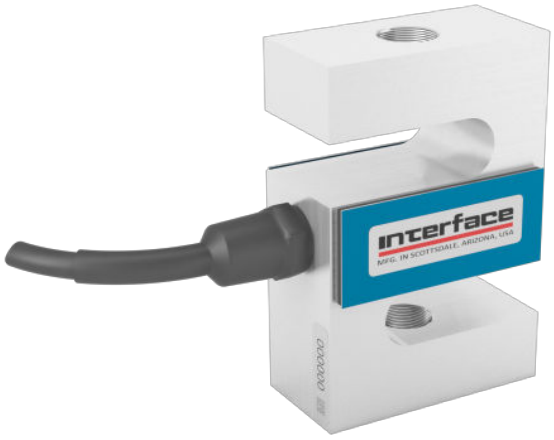
SPECIFICATIONS

ACCURACY – (MAX ERROR)		
Nonlinearity – %FS		±0.05
Hysteresis – %FS		±0.03
Nonrepeatability – %RO		±0.02
Creep, in 20 min – %		±0.025
TEMPERATURE		
Compensated Range	°F	0 to +150
	°C	-15 to +65
Operating Range	°F	-65 to +200
	°C	-55 to +90
Effect On Output – % / deg	°F	±0.0008
	°C	±0.0015
Effect On Zero – %RO / deg	°F	±0.0015
	°C	±0.0027
ELECTRICAL		
Rated Output – mV/V (Nominal)		3
Zero Balance – %RO		±1
Bridge Resistance – Ohm (Nominal)		350
Excitation Voltage – VDC MAX		15
Insulation Resistance – Megohm		> 5000
MECHANICAL		
Calibration		Tension
Safe Overload – % CAP		150

NATURAL FREQUENCY/DEFLECTION

Model	lbf	N	Deflection		Nat. Freq. (Hz)
			in	mm	
	50	200	0.003	0.08	1500
	100	500	0.004	0.1	1850
	150	700	0.004	0.1	1850
	250	1K	0.006	0.15	2350
	500	2K	0.005	0.13	2150
	750	2K	0.005	0.13	2350
	1K	5K	0.005	0.13	3350
	2K	10K	0.005	0.13	2400
	3K	15K	0.005	0.13	3000
	5K	20K	0.005	0.13	2520
SSM2	5K, 10K	25K, 50K	0.005	0.13	2520
Material	25 - 1Klbf			Aluminum	
	100 - 5K N				
	2K - 10K lbf			Alloy steel	
	10K - 50K N				

STANDARD CONFIGURATION



MODEL SSM-AJ-100 (Shown)

OPTIONS

- PC04E-10-6P connector on load cell body (SSM-500 lbf / SSM-2 kN and above)
- Standardized output
- Special temperature range
- Cable length
- Transducer Electronic Data Sheets (TEDS)
- Add connector to cable

ACCESSORIES

- Load button
- Instrumentation
- Mounting hardware

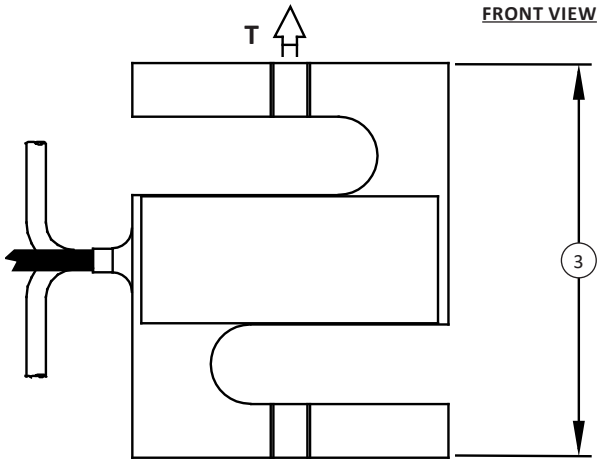
CONNECTOR OPTIONS

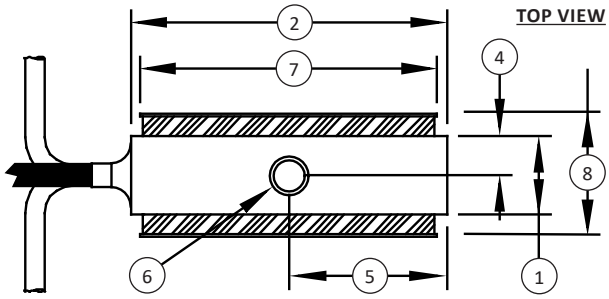
- 10 ft (3 m) integral cable

International System of Units (SI) dimensions and capacities are provided for conversion only. Standard products have U.S. capacities and dimensions. SI capacities available upon special request and at an additional cost.

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SSM/SSM2 SEALED S-TYPE LOAD CELL (U.S. & METRIC)





Notes:
** T indicates tension load direction / primary axis*

DIMENSIONS

See Drawing	MODEL							
	SSM							
	CAPACITY							
	U.S. (lbf)	Metric (N)	U.S. (lbf)	Metric (N)	U.S. (lbf)	Metric (N)	U.S. (lbf)	Metric (N)
	50	100, 200	100, 125, 150	500, 700	250	1K	500	2K
	in	mm	in	mm	in	mm	in	mm
(1)	0.50	12.7	0.50	12.7	0.50	12.7	1.00	25.4
(2)	2.00	50.8	2.00	50.8	2.00	50.8	2.00	50.8
(3)	2.50	63.5	2.50	63.5	2.50	63.5	3.00	76.2
(4)	0.25	6.40	0.25	6.40	0.25	6.40	0.50	12.7
(5)	1.00	25.4	1.00	25.4	1.00	25.4	1.00	25.4
(6)	2X .250-28 UNF-2B	M6 X 1-6H	2X .250-28 UNF-2B	M6 X 1-6H	2X .250-28 UNF-2B	M6 X 1-6H	0.5-20 UNF-2B	M12 X 1.75-6H
(7)	1.88	47.8	1.88	47.8	1.88	47.8	1.88	47.8
(8)	0.82	20.8	0.72	18.3	0.72	18.3	1.18	30.0

See Drawing	MODEL							
	SSM						SSM2	
	U.S. (lbf)	Metric (N)	U.S. (lbf)	Metric (N)	U.S. (lbf)	Metric (N)	U.S. (lbf)	Metric (N)
	750, 1K	2.5K, 3K, 5K	2K, 3K	10K	5K	15K, 20K	5K, 10K	25K, 50K
	in	mm	in	mm	in	mm	in	mm
(1)	1.00	25.4	0.98	24.9	1.50	38.1	1.48	37.6
(2)	2.00	50.8	1.98	50.3	2.50	63.5	2.98	75.7
(3)	3.00	76.2	2.98	75.7	3.50	88.9	3.98	101.1
(4)	0.50	12.7	0.50	12.7	0.75	19.1	0.74	18.8
(5)	1.00	25.4	1.00	25.4	1.25	31.8	1.49	37.8
(6)	0.5-20 UNF-2B	M12 X 1.75-6H	0.5-20 UNF-2B	M12 x 1.75-6H	0.625-18 UNF-2B	M16 x 2-6H	0.75-16 UNF-2B ↧ 0.75	M20 X 1.5-6H ↧ 18.5
(7)	1.88	47.8	1.88	47.8	2.38	60.5	2.88	73.2
(8)	1.25	30.0	1.23	31.2	1.75	44.5	1.76	44.8

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Artisan Technology Group is an independent supplier of quality pre-owned equipment

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