

"S" TYPE LOAD CELLS

FATIGUE RATED "S" CELL (RSC SERIES) FORCE TRANSDUCERS

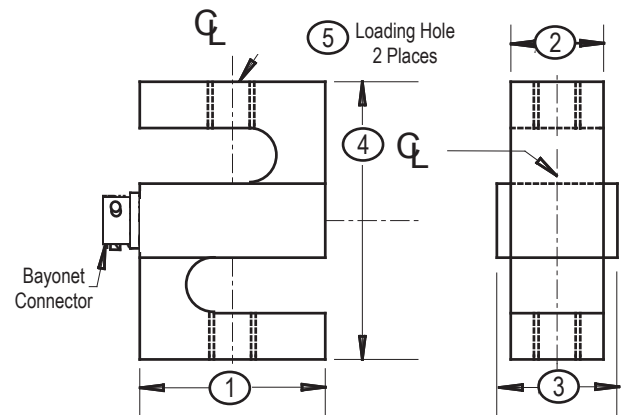
FEATURES

- Designed for the Test Measurements Market
- Rugged Design "S" Cell
- Fatigue Rated
- High Resistance to Misaligned Loads
- Sealed for Environmental Protection
- Integral Connector or Cable



SPECIFICATIONS

PARAMETERS	MODEL	
	RSC 100, 250	RSC 500, 1K
Accuracy		
Zero Balance, % R.O.	+/- 1.0	+/- 1.0
Non linearity, % R.O..	+/- 0.03	+/- 0.03
Hysteresis, % R.O.	+/- 0.03	+/- 0.03
Non-Repeatability, % R.O.	+/- 0.01	+/- 0.01
Static Error Band, % R.O.	+/- 0.03	+/- 0.03
Creep, % Reading in 20 Minutes	+/- 0.03	+/- 0.03
Temperature		
Range, Compensated, °F	+15 to +115	+15 to +115
Range, Operating, °F	-65 to +200	-65 to +200
Effect on Sensitivity, % Rdg/100 °F	0.08	0.08
Effect on Zero, %R.O./100 °F	0.15	0.15
Electrical		
Excitation Voltage, Recommended, Vdc	10	10
Input resistance, Ohms	350 +40/-3.5	350 +40/-3.5
Output Resistance, Ohms	350 +/- 3.5	350 +/- 3.5
Sensitivity (Rated Output), mV/V, Nominal	2	2
Insulation Resist., Bridge/Case, Meg Ohm	5000 (@ 50 VDC)	5000 (@ 50 VDC)
Mechanical		
Safe Overload Range, % R.O.	300	300
Flexure Material	Aluminum	Stainless Steel
Fatigue Rated	Yes	Yes



DIMENSIONS

in inches	1	2	3	4	5
100	2.25	1.00	1.33	2.50	3/8 - 24 UNF-2B
250	2.25	1.00	1.33	2.50	3/8 - 24 UNF-2B
500	2.25	1.25	1.58	2.50	1/2 - 20 UNF-2B
1K	2.25	1.25	1.58	2.50	1/2 - 20 UNF-2B

OPTIONS

- Dual bridge
- Output adjustment to standard
- Special connector
- Integral cable

ACCESSORIES

- Mating connector
- Loading fixtures
- Interconnect cable
- Shunt calibration resistor
- Instrumentation

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