

COLUMN LOAD CELLS

LOW HEIGHT COLUMN (2029/2030 SERIES) FORCE TRANSDUCERS

FEATURES

- Sealed for Environmental Protection
- Water Emersion to 300 ft.
- Integral Cable
- External Male Threads



SPECIFICATIONS

PARAMETERS	MODEL	
	2029	2030
	CAPACITY (lbf)	
	500, 1000	2.5K, 5K, 7.5K
Accuracy		
Static Error Band, % R.O.	+/- 0.25	+/- 0.25
Non linearity, % R.O..	+/- 0.25	+/- 0.25
Hysteresis, % R.O.	+/- 0.15	+/- 0.15
Non-Repeatability, % R.O.	+/- 0.05	+/- 0.05
Creep, % Reading in 20 Minutes	+/- 0.03	+/- 0.03
Zero Balance, % R.O.	+/- 1.0	+/- 1.0
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	0.15	0.15
Effect on Zero, %R.O./100 °F	0.15	0.15
Electrical		
Excitation Voltage, Recommended, Vdc	10	10
Input resistance, Ohms	1000 +100/-10	1000 +100/-10
Output Resistance, Ohms	1000 +100/-10	1000 +100/-10
Sensitivity (Rated Output), mV/V, Nominal	3	3
Insulation Resist., Bridge/Case, Meg Ohm	5000 (@ 50 VDC)	5000 (@ 50 VDC)
Mechanical		
Safe Overload Range, % R.O.	150	150
Flexure Material	Aluminum	Stainless Steel

OPTIONS

- Dual bridge
- Output adjustment to standard value
- Female thread (one or both ends)

ACCESSORIES

- Loading fixtures
- Shunt calibration resistor
- Instrumentation

Consult factory for dimensions.

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