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Key Transducers, Inc.
KEY TO YOUR MEASUREMENT NEEDS

GENERAL PURPOSE LOAD CELLS

SPECIFICATIONS

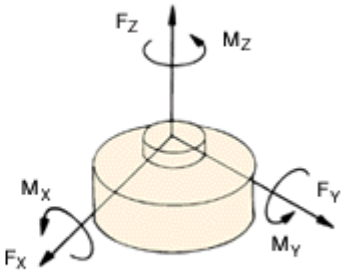
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Output (Nominal).....................................2 MV/ V
Non-Linearity (Max) ..............................0.05% F.S.*
Hysteresis (Max).....................................0.05% F.S.*
Non-Repeatability (Max)...........................0.02% F.S.*
Bridge Resistance (Nom) ............................700 ohms
Excitation (Recommended)............................10 Volts
Temp. Range (Compensated).....................+70°F to +170°F
Temp. Range (Usable)..........................-65°F to +200°F
Temp. Effect on Zero (Max)....................0.002% F.S./°F
Temp. Effect on Output (Max)..............0.002% Reading/°F
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*1101 Non-Linearity is 0.1%, Hysteresis 0.1%, Non-Repeatability 0.05%, Temp. Range (usable) 135°F to 1170°F.

MODEL NUMBER	CAPACITY (lbs.)	STATIC OVERLOAD (% OF CAPACITY)	DEFLECTION AT CAPACITY (in.)	RINGING FREQUENCY (Hz)	WEIGHT (lbs.)
1101-01	5	300	0.001	2,800	0.64
1101-02	10	300	0.002	2,800	0.64
1101-03	20	300	0.001	3,800	0.64
1102-01	50	150	0.003	2,800	0.67
1102-02	100	150	0.003	3,800	0.67
1102-03	200	150	0.003	5,400	0.67
1102-04	300	150	0.003	7,000	0.67
1106-04	500	150	0.003	3,800	1.62
1106-05	1K	150	0.003	5,300	1.62
1106-06	2K	150	0.003	7,600	1.62
1105-01	50	150	0.003	2,800	0.62
1105-02	100	150	0.003	3,800	0.62
1105-03	200	150	0.003	5,400	0.62
1105-04	300	150	0.003	7,000	0.62
1107-04	500	150	0.003	3,800	1.57
1107-05	1K	150	0.003	5,300	1.57
1107-06	2K	150	0.003	7,600	1.57

EXTRANEOUS LOAD LIMITS

MODEL NUMBER	SIDE FORCE F_X or F_Y (lbs.)	BENDING MOMENT M_X or M_Y (in. lbs.)	TORQUE M_Z (in. lbs.)
1101-01	10	10	10
1101-02	20	20	20
1101-03	50	50	50
1102-01	50	50	35
1102-02	100	100	65
1102-03	200	200	65
1102-04	300	300	65
1106-04	500	500	120
1106-05	1,000	600	120
1106-06	2,000	600	120
1105-01	50	50	35
1105-02	100	100	65
1105-03	200	200	65
1105-04	300	300	65
1107-04	500	500	120
1107-05	1,000	600	120
1107-06	2,000	600	120



The above chart tabulates maximum extraneous side force, bending moment and torque that may be applied singularly without electrical or mechanical damage to the load cell. Where combined extraneous loads are applied, decrease above loads proportionally.

OPTIONS AND ACCESSORIES (Consult Factory)

- Dual Bridge
- Load Button
- Metric Threads and Capacities
- Rod Ends
- Interconnecting Cable
- Built-in Shunt Resistor
- Trimmed Output

[Home] [General Purpose Load Cells]

KEY TRANSDUCERS, INC.
527 Executive Drive • Troy, Michigan 48083
Phone (248) 616-3400 FAX (248) 616-3600

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