ADVANCED FORCE & TORQUE MEASUREMENT

Precision mV/V Load Cell Simulator

Why the Interface series Precision mV/V Load Cell Simulator is the best in class:

- Most accurate load cell simulator
- Special low thermal emf construction
- Each unit individually calibrated,aged and recalibrated
- Strong, rugged design
- Instrument substitution testing

Specification	CX-0404 Multi-Step Model	CX-0610 Multi-Step Model	CX-0440 Single-Step Model	CX-0330 Single-Step Model	CX-0220 Single-Step Model
Output at zero setting	< 0.5 µV	< 0.5 µV	< 1.0 µV	< 1.0 µV	< 1.0 µV
Output settings–mV/V	0, ±0.04, ±0.08, ±0.2, ±0.4, ±0.8, ±1.2, ±1.6, ±2.0, ±2.4, ±3.2, ±4.0, ±4.4	-6, -5, -4, -3, -2, -1, +1, +2, +3, +4, +5, +6	-4, +4	-3, +3	-2, +2
Output accuracy at any non-zero setting, normalized to actual zero setting output:					
Relative to nominal value	0.01% to 0.05% of setting	0.01% of setting	0.01% of setting	0.01% of setting	0.01% of setting
Relative to value provided in unit-specific calibration chart	0.0015% of setting for one year	0.0015% of setting for one year	0.0025% of setting for one year	0.0025% of setting for one year	0.0025% of setting for one year
Temperature coefficient of normalized output	< 5 ppm/°C of setting	< 5 ppm/°C of setting	< 5 ppm/°C of setting	< 5 ppm/°C of setting	< 5 ppm/°C of setting
Input and output resistance:					
At zero setting	350 ohms ±0.005%	350 ohms ±0.005%	350 ohms ±0.005%	350 ohms ±0.005%	350 ohms ±0.005%
At output setting (value decreases with increasing setting, either polarity)	> 347.5 ohms	> 347.5 ohms	> 348.5 ohms	> 348.5 ohms	> 348.5 ohms

interface
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Models CX-0202, CX-0610, CX-0440, CS-0330, and CX-0220 are used for setting up and checking the Gold Standard™ System Hardware. CX-0440, CX-0330, and CX-0220 are single-step mV/V transfer standards providing precision outputs of ±4, ±3, and ±2 mV/V respectively. CX-0610 is a multi-step unit that allows the user to go from -6 mV/V to +6 mV/V in 1 mV/V steps.

Model CX-0404 is specifically designed for instrument substitution testing as per ASTM E74.

CX-0610

CX-0440