

Precision mV/V Load Cell Simulator

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



CX-0610



CX-0440

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.

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 μ V	< 0.5 μ V	< 1.0 μ V	< 1.0 μ V	< 1.0 μ V
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/ $^{\circ}$ C of setting	< 5 ppm/ $^{\circ}$ C of setting	< 5 ppm/ $^{\circ}$ C of setting	< 5 ppm/ $^{\circ}$ C of setting	< 5 ppm/ $^{\circ}$ C of setting
Input and output resistance:					
At zero setting	350 ohms $\pm 0.005\%$	350 ohms $\pm 0.005\%$	350 ohms $\pm 0.005\%$	350 ohms $\pm 0.005\%$	350 ohms $\pm 0.005\%$
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