

CX SERIES PRECISION mV/V TRANSFER STANDARD

FEATURES & BENEFITS

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

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.

STANDARD CONFIGURATION



Model CX-0610 (shown)



Model CX-0440 (shown)

SPECIFICATIONS

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 - μ V	< 0.5	< 0.5	< 1.0	< 1.0	< 1.0
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, 0, +1, +2, +3, +4, +5, +6	-4, 0, +4	-3, 0, +3	-2, 0, +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 - ppm/ $^{\circ}$ C	< 5 of setting	< 5 of setting	< 5 of setting	< 5 of setting	< 5 of setting
Input and output resistance:					
At zero setting - ohms %	350 $\pm$ 0.005	350 $\pm$ 0.005	350 $\pm$ 0.005	350 $\pm$ 0.005	350 $\pm$ 0.005
At output setting (value decreases with increasing setting, either polarity) - ohms	347.5	347.5	348.5	348.5	348.5