

EMF Meter

MODEL EMF-822A

- Measures electromagnetic radiation levels from video terminals, fans, faulty wiring, power lines and other equipment
- 3-1/2 digit, 0.5" high LCD readout with overrange indication



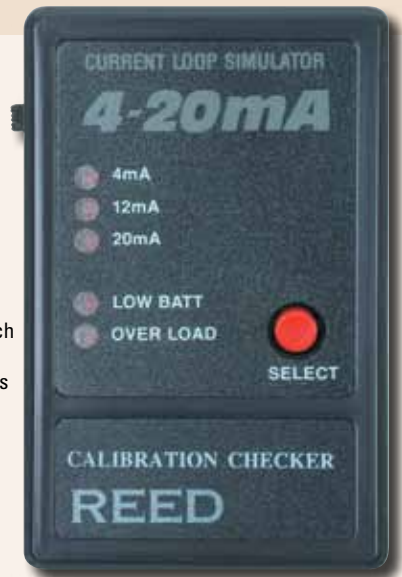
Range: 0.1 to 199.9 mG
 Frequency Bandwidth: 30 to 300 Hz
 Accuracy: $\pm 4\%$ at 50/60 Hz (single axis)
 Sampling Rate: 2.5X/second
 Power Supply: Single 9V battery
 Dimensions: 5.3 x 3 x 1" (135 x 75 x 25mm)
 Weight: 6 oz (170g)

EMF-822A Electromagnetic Field Meter

Current Loop Simulator

MODEL CC-MA

- Easy to use pocket checker for simulating current loops
- Instantly determines if your device needs calibration or if a sensor needs to be replaced
- Simulates output ranges of 4 mA, 12 mA and 20 mA
- Accurate to 0.1 mA
- Overload indication when load exceeds 240 Ω
- Push button output selector switch and bright red LEDs that indicate simulation output or battery status
- Complete with 9V battery and calibration cable terminated with spade plugs
- Dimensions: 89 x 58.4 x 25.4mm
- Weight: 284g



CC-MA Current Loop Simulator

Voltage/Current Simulator

MODEL VC-04

- Sources voltage and current
- 5-digit LCD readout
- Automatic calibration
- User selectable auto power-off
- Selectable step or ramp outputs
- Includes test leads, alligator clips, protective holster, carrying case and battery



OUTPUT FUNCTION
 Voltage Range: 10V
 Output Range: 0.00 to 11.000V
 Resolution: 1mV
 Accuracy: $\pm 0.05\%$ setting
 Current Range: 20mA
 Output Range: 0.000 to 22.000mA
 Resolution: 0.001mA
 Accuracy: $\pm 0.05\%$ setting + 4 μ A
 Analogue Transducer: -20mA
 Output Range: 0.000 to -22.000mA
 Resolution: 0.001mA
 Accuracy: $\pm 0.05\%$ setting + 4 μ A
 Loop Power: 24V
 Accuracy: $\pm 10\%$
 Power Supply: Single 9V alkaline battery
 Battery Life: Approx. 20 hours
 Dimensions: 200 x 100 x 40mm w/ holster
 Weight: 550g w/ holster

VC04 Voltage/Current Simulator

Voltage/Current Calibrator

MODELS CC-421 & CC-422

- Current calibrator drives loads up to 500 Ω
- 1/2" (13 mm) LCD display
- Includes test leads and batteries

MODEL CC-421:

- Source and measure current and voltage

MODEL CC-422:

- Adjustable 0 to 24mA current source



MODEL CC-421
 Current Source: 0 to 24 mA (2 ranges)
 Current Measure: 0 to 24 mA (2 ranges)
 Voltage Source: -199.9 to +199.9 mV DC
MODEL CC-422
 Range: 0 to 19.99 mA; 0 to 24.0 mA
 Resolution: 0.01 mA; 0.1 mA
COMMON
 Sampling Time: 0.4 second
 Dimensions: 7.3 x 3 x 1.5"
 (185 x 78 x 38mm)
 Weight: 9.4 oz (265g)

CC-421 Voltage/Current Calibrator
CC-422 Current Calibrator
CA-03 Soft Carrying Case

Loop Calibrator

MODEL VC05

- mA sourcing, simulation and measurement
- 0-28 VDC measurement to check loop voltage
- 0.02% accuracy and 0.001% of span display
- Simulate mA and % of span display
- Selectable step or ramp outputs
- 24V loop power supply
- Includes test leads, alligator clips, protective holster, soft carrying case and batteries



MEASUREMENT/SOURCE FUNCTIONS

Voltage Range: -0.200 to 28.000V
 Resolution: 1mV
 Accuracy: $\pm 0.02\%$ rdg. ± 2 mV
 Current Range: -1.000 to 22.000mA
 Resolution: 0.001 mA
 Accuracy: $\pm 0.02\%$ rdg. $\pm 4\mu$ A
 Loop Current Range: 0.000 to 22.000mA
 Resolution: 0.001 mA
 Accuracy: $\pm 0.02\%$ rdg. $\pm 4\mu$ A
SOURCE FUNCTIONS
 Current Range: 0.000 to 22.000mA
 Resolution: 0.001mA
 Accuracy: $\pm 0.05\%$ $\pm 4\mu$ A
 Loop Power Range: 24V
 Accuracy: $\pm 10\%$
 Power Supply: Single 9V battery
 Battery Life: Approx. 20 hours at 10mA
 Dimensions/Weight: 200 x 100 x 40mm/550g

VC05 Loop Calibrator

Voltage/Current Calibrator

MODEL VC15

- Multiple input/output ranges for both DC voltage and current
- 24V loop power supply
- 6-digit LCD readout
- Auto calibration • Auto power off
- Includes test leads, alligator clips, protective holster, soft carrying case and batteries



MEASUREMENT/SOURCE FUNCTIONS

Voltage Range: 0.000 to 11.000V
 Resolution: 1mV
 Accuracy: $\pm 0.02\%$ rdg. $\pm 0.01\%$ range
 Current Range: 0.000 to 22.000mA
 Resolution: 0.001 mA
 Accuracy: $\pm 0.02\%$ rdg. $\pm 0.01\%$ range
 Loop Current Range: 0.000 to 22.000mA
 Resolution: 0.001 mA
 Accuracy: $\pm 0.02\%$ rdg. $\pm 0.01\%$ range
SOURCE FUNCTIONS

Analog Transducer Range: 0.000 to -22.000mA
 Resolution: 0.001 mA
 Accuracy: $\pm 0.02\%$ $\pm 0.01\%$ range
 Loop Power Range: 24V
 Accuracy: $\pm 10\%$
 Power Supply: Single 9V battery
 Battery Life: Approx. 12 hours
 Dimensions/Weight: 200 x 100 x 40mm/550g with holster

VC15 Voltage/Current Calibrator

Process Calibrator

MODEL VC25

- Source and measure functions can be operated, and results displayed, simultaneously
- Sources and reads DC voltage and current, resistance, temperature, contact, frequency and pressure
- Accurate to 0.02%
- Simulates and reads 3 RTDs and 8 thermocouples
- Measures 2 or 3-wire RTDs
- Compatible with 32 pressure modules from 2.5kPa to 70MPa
- 24V loop power supply
- Provides 25% or 100% step output for DC current either manually or automatically
- Large 2-line LCD with white LED backlight
- User selectable auto power off
- Includes test leads, alligator clips, protective holster, soft carrying case and batteries



READ

DC Voltage Range: 50mV, 500mV, 5V, 50V
 Accuracy: $\pm 0.02\%$ +10, $\pm 0.02\%$ +2, $\pm 0.02\%$ +5, $\pm 0.03\%$ +5
 DC Current Range: 50mA
 Accuracy: $\pm 0.02\%$ +2
 Resistance Range: 500 Ω , 5k Ω
 Accuracy: $\pm 0.02\%$ +0.1 Ω , $\pm 0.02\%$ +0.5 Ω
 Frequency Range: 100Hz, 1kHz, 10kHz
 Accuracy: $\pm 2\%$

SOURCE

DC Voltage Range: 100mV, 1V, 10V
 Accuracy: $\pm 0.02\%$ +10
 DC Current Range: 20mA
 Accuracy: $\pm 0.02\%$ +10
 Resistance Range: 400 Ω , 4k Ω , 40k Ω
 Accuracy: $\pm 0.02\%$ +0.1 Ω , $\pm 0.05\%$ +1 Ω , $\pm 0.1\%$ +10 Ω
 Frequency Range: 100Hz, 1kHz, 10kHz, 100kHz
 Accuracy: $\pm 2\%$

FUNCTION	READ RANGE	ACC'Y	SOURCE RANGE	ACC'Y
Type R T/C	-40/1760°C	$\pm 1.5^\circ$ C	-40/1760°C	$\pm 1.2^\circ$ C
Type S T/C	-20/1760°C	$\pm 1.5^\circ$ C	-20/1760°C	$\pm 1.5^\circ$ C
Type K T/C	-200/950°C	$\pm 0.8^\circ$ C	-200/1370°C	$\pm 0.9^\circ$ C
Type E T/C	-200/500°C	$\pm 1.5^\circ$ C	-200/1000°C	$\pm 0.5^\circ$ C
Type J T/C	-200/700°C	$\pm 0.7^\circ$ C	-200/1200°C	$\pm 0.7^\circ$ C
Type T T/C	-200/400°C	$\pm 0.7^\circ$ C	-200/400°C	$\pm 0.6^\circ$ C
Type N T/C	-200/1000°C	$\pm 0.9^\circ$ C	-200/1300°C	$\pm 0.8^\circ$ C
Type B T/C	400/1800°C	$\pm 1.8^\circ$ C	400/1800°C	$\pm 1.1^\circ$ C
Pt100 RTD	-200/700°C	$\pm 0.8^\circ$ C	-200/850°C	$\pm 0.8^\circ$ C
Pt1000 RTD	-200/630°C	$\pm 0.4^\circ$ C	-200/630°C	$\pm 0.4^\circ$ C
Cu50	-50/150°C	$\pm 0.7^\circ$ C	-50/150°C	$\pm 0.5^\circ$ C

GENERAL

Continuity Test: Beep at $\leq 50\Omega$
 Loop Power Supply: 24V $\pm 10\%$
 Power Supply: 4 x 1.5V "AA" alkaline batteries or 4 x 1.2V "AA" Ni-Hi batteries
 Dimensions: 245 x 95 x 42mm
 Weight: 500 g

VC25 Process Calibrator