

IVC-222HP11

Precision Voltage/Current Calibrator

The Martel Electronics IVC-222HP11 Voltage/Current Calibrator is a general purpose current and voltage source that can be used in engineering, manufacturing, test, and process control applications. It combines both digital and analog circuitry to achieve its rated specifications in a small, reliable package.

The IVC-222HP11 has the capability to store and recall up to two setpoint values, the SP1 and SP2 keys. An RS-232 port accessed via a custom cable (available from Martel) allows the calibrator to be computer controlled for automated testing.

General Features

- Remarkable 0.015% of reading accuracy
- Four ranges: 200 mV, 2 V, 20 V and 24mA
- Intuitive, easy-to-use controls
- RS-232 interface allows computer control
- Built-in 24 V supply can drive 4 to 20 mA loops over 1,000 Ohms
- Rugged, lightweight, hand-held unit
- Includes test leads, carrying case, 9 V battery, NIST
- Full rubber boot with optional carrying case
- Certificate, and instruction manual

Specifications

Output Range

Voltage	200 mV, 2V, 20V
Current	24 mA

Resolution

Voltage	0.01mV, 0.1 mV, 10 mV
Current	0.001 mA

Accuracy

± 0.015% of reading, ±2 count; 18°C to 28°C
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Temp. Stability

± 0.005% FS°C

Load Capability

Voltage	±1 mA for rated accuracy
Current	1,000 Ohms
Capacitive	no limitations (voltage mode only)

Output Protection

Current limited internal RESET

Power Supply

9 volt alkaline battery or optional NiCd

Mechanical Dimensions

Size	1.43"h x 3.15"w x 5.7"d
Weight	12 ounces



IVC-222HP11 Voltage/Current Source Calibrator Ordering Information

Part Number	Description
19D1991	IVC-222HP11 Voltage/Current Source Calibrator
	Includes
	• Calibrator as above
	• User Manual
	• NIST Traceable Calibration Certificate
	• Protective sleeve case
	• Fixed test leads
	• 9V Alkaline battery