

# IVC-222HP II

Cal Lab accuracy  
in a hand-held  
Calibrator



Accuracy by Any Measure

The Martel Electronics IVC-222HP II 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-222HP II has the capability to store and recall up to two setpoint values using 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 24 mA
- 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,
- Certificate, and instruction manual

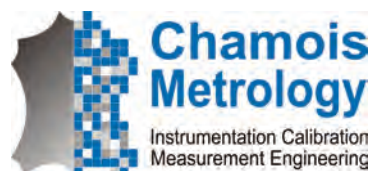
## Specification

<b>OUTPUT RANGE</b>	
Voltage	200 mV, 2 V, 20 V
Current	24 mA
<b>RESOLUTION</b>	
Voltage	0.01 mV, 0.0001 V, 0.001 V
Current	0.001 mA
<b>ACCURACY</b>	±0.015% of reading, ±2 count; 18 °C to 28 °C
<b>TEMPERATURE STABILITY</b>	±.005% FS/°C
<b>LOAD CAPABILITY</b>	
Voltage	±1 mA for rated accuracy
Current	1,000 Ohms
Capacitive	no limitations (voltage mode only)
<b>OUTPUT PROTECTION</b>	current limited internal RESET
<b>POWER SUPPLY</b>	9 Volt alkaline battery or optional NiCd
<b>MECHANICAL DIMENSIONS</b>	
Size	3.63 x 8.00 x 14.48 cm
Weight	341 grams



0822

All devices can be supplied with a UKAS accredited calibration certificate from our laboratory.



## Chamois Metrology Limited

Unit 8 The Centre, Holywell Business Park, Northfield Road, Southam, Warwickshire CV47 0FP  
Tel +44 (0)1926 812066 Fax +44 (0)1926 813569 e: info@chamois.net www.chamois.net