Microprocessor-Based True RMS Meter

INFINITY

5 YEAR WARRANTY

INFCAC

Current Transformers sold separately

Items shown are not actual size.

For more information visit: newportUS.com/linfcac

- **4-Digit, 14-Segment LED Display, Red or Green**
- **High 0.1% of Reading Accuracy**
- **Wide Selection of ac Current and Voltage Ranges**
- **Smart Filtering Detects the Difference Between a Spike or Process Change (Patent Pending)**
- **Front Panel Configuration**
- **Available with Dual 5 Amp Relays and/or Analog Output**
- **Peak and Valley Detection and Memory**
- **Optional RS-232 or RS-485 Communications**

INFCAC true RMS meters are the leader in advanced AC monitoring and control. There are two models, an AC Voltmeter and an ac Ammeter. Four full digits plus broad scaling capabilities allow the meter to be used in most industrial and research applications. Easy plug-in rear panel connectors make installation and removal quick and easy. Optional user scalable analog output either 4-20 mA or 0-10 V allows either a control or recorder interface and the optional dual 5 A relays gives you extended control capability. The optional plug-in communication options can be added at any time allowing the instrument to grow with your application. Front panel range changes or via the serial communications option allows flexibility not often found in a meter in this price range. Security is provided by an internal hardware lockout. The INFCAC meter provides the ability to capture and display both peak and valley levels of your input signals. This is particularly important for such applications as destructive testing, pressure testing, etc.

SPECIFICATIONS

Max. Error, ac Coupling: ±(0.1% rdg ± 10 counts) at 50 or 60 Hz. ±(0.1% rdg ± 40 counts) from 40 Hz to 3 kHz
Max. Error, dc Coupling: ±(0.1% rdg ± 10 counts) at 50 or 60 Hz. ± (0.1% rdg ± 30 counts) from 40 Hz to 3 kHz
Span Temperature Coefficient: 0.01%/°C typical
Step Response: 2-3 seconds to 99% of final value
Warmup to Rated Accuracy: 30min.

POWER
AC Voltage: 115 or 230 Vac ±10%; 49-100 Hz
Consumption: 3 to 10 watts max.

INPUT TYPES AND RANGE
AC Voltage: (user selectable) 0-100 mV, 0-1 V, 0-10 V, 0-100 V, 0-750 V
AC Current: (user selectable) 0-1 mA, 0-10 mA, 0-100 mA, 0-1 A, 0-5 A

NOISE REJECTION
CMR: 100 dB typical at DC
CMV: 1500 V peak per Hv test

CONFIGURATION
Offset & Span Adjustments:
+0.001 to +9999 or -0.01 to -199, programmable

CONVERSION
Technique: dual slope
Read Rate: 2.5/sec

ENVIRONMENTAL
Operating Temperature: 0 to 60°C (32 to 140°F)
Storage Temperature: -40 to 85°C (-40 to 185°F)
Relative Humidity: 90% at 40°C (104°F) (non-condensing)

ENCLOSURE PACKAGING
Dimensions: 48 H x 96 W x 156 mm D (1.89" x 3.78" x 6")
Panel Cutout: 45 H x 92 mm W (1.772" x 3.622")

***Insert number code (*) to complete model number**

Model No.	Power & Display	Control Output	Analog Output	Serial Output	Input Signal	Description
INFCAC-(*)	(*)	(*)	(*)	(*)	(*)	Process (DC voltage and current)
	0					115 Vac power, red LED display
	1					230 Vac power, green LED display
	2					115 Vac power, red LED display
	3					230 Vac power, green LED display
		0				No control output
		1				Two 5 A form "C" SPDT relays
			0			No output
			1			4 to 20 mA or 0 to 10 Vdc
				0		No serial output
				1		Isolated RS-232
				2		Isolated RS-485 half duplex
					-V5	0-750 Vac user programmable
					-C5	0-5 A AC user programmable

Note: *Output options are not field installable.*