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TECHNOLOGY GROUP

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Find the *Newport INFP-0* at our website: *Click HERE*

NEWPORT

INFINITY® METERS

INFINITY® 5 YEAR WARRANTY c UL us LISTED CE

- 6 Digits
- NEMA-4 (IP65) Front Bezel
- Four Isolated Open Collector Outputs
- Digital Tare
- 1.5 to 11 or 24 Vdc Sensor Excitation
- Peak and Valley Detection and Memory

The **NEWPORT®** 6-Digit **INFINITY®** family of digital panel meter/controllers represents the world standard for accuracy and quality in industrial instrumentation. Select from instruments designed for: PROCESS (DC Voltage and Current), STRAIN GAGE measurements, TEMPERATURE (Thermocouple and RTD), or the INFINITY® UNIVERSAL for one meter which covers all the input types.

INFINITY® meters can measure a broad spectrum of dc voltage and current ranges, nine thermocouple types, a variety of RTDs, a multitude of inputs from pressure transducers, load cells, strain gages as well as potentiometric inputs. Six full digits make this meter ideal for demanding process control applications.

On-board excitation is included so you can power virtually any sensor or transmitter, and four standard setpoints give the flexibility to control or alarm your system completely.



SPECIFICATIONS

Accuracy: ±0.005% rdg

Span Temperature Coefficient: ±20 ppm

Step Response: 1 sec to 99.9%

Power: 115 or 230 Vac, 49-400 Hz; 10 to 32 Vdc

Normal Mode Rejection: 60 dB

Common Mode Rejection: 120 dB

Common Mode Voltage: 1500 V peak per Hv test

Resolution: 17-bit

Reading Rate: 3/sec or 13/sec, 60 Hz; 3/sec or 12/sec, 50 Hz

Display: red or green 6-digit, 14-segment, 13.7 mm (0.54"); 4 alarm indicators

Panel Cutout: 45 H x 92 W mm (1.772 x 3.622"); 1/8 DIN

Open Collector Outputs: four, isolated open collector; rated 150 mA at 1 V sink, 30 V open

BCD Output: isolated, tri-state, TTL/CMOS compatible; external 5 V supply required for isolated; internal 5 V supply for non-isolated

Dual Relays: form C, 7 A at 30 Vdc or 230 Vac

Four Relay Option: dual 7 A relays and dual 1 A relays

Analog Output: 0-5 V/1-5 V/0-10 V/ 0-20 mA/4-20 mA, user selectable; 354 Vp isolation;15-bit resolution; 0.1% accuracy, 50 msec step response

Voltage Input Ranges: 0-100 mV, 0-1 V, 0-5 V, 1-5 V, 0-10 V, 0-100 V, ±50 mV, ±500 mV, ±5 V, ±50 V

Current Input Ranges: 0-20 mA, 4-20 mA

Input Configuration: single-ended

Polarity: unipolar/bipolar, programmable

Thermocouple Input Types: J, K, T, E, R, S, B, N, J DIN

RTD Input: any 6Ω to 6kΩ NIST or DIN platinum and any linear RTD

RTD Connection: 2, 3 or 4-wire

Sensor Excitation: 10 V at 30 mA; 24 V at 25 mA

To Order (* insert number code to complete model number)

Basic Model	Power & Display	Control Output	Analog Output	Serial Output	Input Signal	Description
INFP	(*)	(*)	(*)	(*)	(*)	Process (DC voltage and current)
INFS	(*)	(*)	(*)	(*)	(*)	Strain input
INFW	(*)	(*)	(*)	(*)	(*)	Weight/Scale strain input
INFT	(*)	(*)	(*)	(*)	(*)	Temperature (thermocouple and RTD)
INFU	(*)	(*)	(*)	(*)	(*)	Universal Inputs (process, strain, & temperature)
	0					115 Vac power, red LED display
	1					230 Vac power, red LED display
	4					10-32 Vdc power, red LED display
		0				Four NPN open collector transistors
		1				Isolated parallel BCD
		2				Two 7 A relays
		3				Two 7 A relays and two 1 A relays
			0			No analog output
			1			Isolated analog output
				0		No serial output
				1		Isolated RS-232
				2		Isolated RS-485
					( )	Specify input signal from charts below

Input Signal Voltage/Current

Range Code	Range	Range Code	Range
DC1	0-100 mV	DC7	±50 mVdc
DC2	0-1 Vdc	DC8	±500 mVdc
DC3	0-5 Vdc	DC9	±5 Vdc
DC4	1-5 Vdc	DC10	±50 Vdc
DC5	0-10 Vdc	C1	0-20 mA
DC6	0-100 Vdc	C2	4-20 mA

Input Signal Thermocouple or RTD

J (*)	T (*)	S (*)	RTD1 (*)	10 ohm copper, linear
K (*)	B (*)	N (*)	RTD2 (*)	100 ohm pt, 0.00385 alpha
E (*)	R (*)	J-DIN (*)	RTD3 (*)	100 ohm pt, 0.00392 alpha

** Specify "**C**" (Celsius), "**F**" (Farenheit), or "**K**" (Kelvin)*

Artisan Technology Group is an independent supplier of quality pre-owned equipment

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