



- ✓ Process
- ✓ Strain
- ✓ Thermocouple
- ✓ RTD

NEWPORT INFINITY® series feature the **biggest brightest display** of any 1/8 DIN panel meter. The user can select the display color: **RED, AMBER, or GREEN.**

PANEL METERS/CONTROLLERS

The unparalleled accuracy of the NEWPORT® INFINITY® signal conditioning is available in an economical series of Panel Meter/Controllers. The INFINITY® "C" series of meter/controllers feature a four digit display plus optional dual 5 amp Form C relays and a choice of isolated or non-isolated analog output. The scalable 0-10 Vdc, 0-20mA, or 4-20 mA analog output can be used a retransmission of the display value or as a proportional control output as required. The microprocessor based INFINITY® "C" series includes instruments for Process (DC voltage and current) Strain Gage, Thermocouple, RTD, Dual/Differential Thermocouple, Dual/Differential RTD, pH, ORP.

COMMON SPECIFICATIONS

Display:

4-Digit, 9 segment, 21 mm (0.83")

Accuracy: @ 25°C: ±0.03% of readings, ± 1 count (INFCP and INFCS) ±0.05°C (INFCT and INFCR)

Internal Resolution: 15 bits

Polarity: Automatic

Power: 115 Vac, 230 Vac, 10-32 Vdc or 26-56 Vdc

Dimensions: 48 H x 96 W x 152 D mm (1.89 x 3.78 x 6.0")

Panel Cutout:

45 H x 92 W mm (1.772 x 3.622")

Operating Temperature:

0 to 50°C (32 to 123°F)

THERMOCOUPLE METER/CONTROLLER

The NEWPORT INFCT accepts type J, K, T and DIN J thermocouples. Standard features include resolution of 0.1° or 1.0°, °F or °C indication. Factory default setup is type K thermocouple input in °F.

RTD TEMPERATURE METER/CONTROLLER

The INFCR accepts 3-wire 100 ohm RTD platinum inputs (alpha = 0.00385) and has an accuracy of ±0.5°C. Relay models offer the choice of linear or proportional analog output.

PROCESS and STRAIN

The INFCP and INFCS meters accept a wide range of DC voltage and current inputs to cover any typical process application, 0-100 mV, ±50 mV, 0-10 V, ±5 V, 0-20 mA, 4-20 mA. Sensor Excitation voltage 5, 10, 12 or 24 Vdc.

The INFINITY® "C" features easy front panel scaling to virtually any engineering units, selectable excitation of four voltages to work with most transducers and transmitters, front panel and remote tare function for weighing applications, and a hardware lockout to prevent unauthorized changes in setup.

Model No.		Signal Input	
INFCP	(*) (*)	Process (4-20 mA, 0-10 Vdc, 1-5 Vdc, 0-100 mVdc)	
INFCS	(*) (*)	Strain gauge / bridge input with excitation	
INFCT	(*) (*)	Thermocouple J, K, T, J DIN	
INFCR	(*) (*)	RTD 100 ohm pt 2-, 3-, 4- wire	
Meter Power			
	0		115 Vac power
	1		230 Vac power
	4		10-32 Vdc power
	6		26-56 Vdc power
Control Output			
		0	No control output
		1	Two 5 A form "C" relays
Analog Output			
		0B	No analog output
		1B	4 to 20 mA or 0 to 10 Vdc (non-isolated)
		2B	4 to 20 mA or 0 to 10 Vdc (isolated)†
Factory Scale Option			
	.FS		Factory Scaling

†Must be ordered with relay option

Ordering Example: INFCP-000B,FS: Process Meter factory scaled for 4-20 mA = 9999