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TECHNOLOGY GROUP

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Full-service, independent repair center
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Custom engineering
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INFINITY® Strain Meter / Controller



INFCS-B

- **Big Bright LED Display**
- **Scaling in Wide Range of Engineering Units**
- **Built-In Excitation**
- **Analog Output Optional**
- **Dual Relays Optional**
- **Tare Button**
- **Gross/Net Reading or Peak Reading Software Configurable**

5 YEAR WARRANTY

CE

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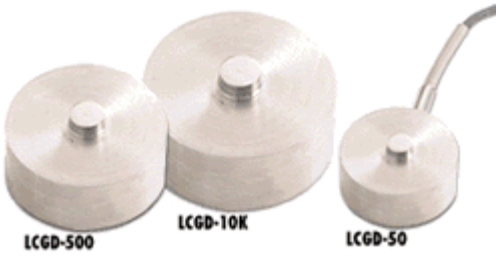
NEWPORT PRODUCT INFO
• MANUAL - PDF
• QUICK START - PDF
• MECHANICAL
• PRICE
REQUIRES ADOBE ACROBAT - HELP

NEWPORT INFINITY® "C" 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 with Relays and Analog Output
The unparalled accuracy of the NEWPORT® Electronics INFINITY® signal conditioning is available in an economical series of Panel Meter/Controllers. The INFINITY® "C" series of meter/controllers feature a four digital 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 as 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.

The **INFINITY® C** strain meter/controller accepts a wide variety of DC voltage and current inputs to cover any typical process application. Standard features include 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.

The **INFINITY® C** strain meter is ideal for use with pressure transducers, load cells, or any strain gage type transducers. Four full digits and simplified scaling via the front-panel pushbuttons make it easy to set the display to read in any engineering units.



OMEGADYNE™ Load Cells available from NEWPORT®
CLICK HERE FOR SELECTION GUIDE

SPECIFICATIONS

Input Ranges: 0-100 mV, ±50 mV, 0-10 V, ±5 V, 0-20 mA, 4-20 mA
Isolation: Dielectric strength to 2500V transient per 3mm spacing based on EN 61010 for 260Vrms or DC working voltage
NMR: 60 dB

CMR: 120 dB
Input Protection: Voltage Input = 120 Vrms max; Current Input = 100 mA max
Input Impedance: 100 Meg ohms for 100 mV or ±50 mV input range; 1 Meg ohm for 10 V or ±5 V input range; 5 ohms for 20 mA current input range
Display: 4-digit, LED 9-segment, 21 mm (0.83"), **(Red, Green, Amber)**
Analog-to-digital technique: Dual slope
Internal resolution: 15 bits
Read rate: 3/sec
Polarity: Automatic
Max error process: ±0.03% of reading, ± 1 count
Span tempco: 50 ppm/°C
Step response: 1 sec
Warm-up to rated accuracy: 30 min
Load Regulation: 1.1%
Line Regulation: 0.02% per Vac
Analog output (optional): 0-10 V, 4-20 mA or 0-20 mA; may be assigned to a display range or to setpoint #1, when used as a proportional control output
Operating temperature: 0 to 50°C (32 to 122°F)
Storage temperature: -40 to 85°C (-40 to 184°F)
Relative humidity: 90% at 40°C (104°F) (non-condensing)
Panel cutout: 1/8 DIN, 45 x 92 mm (1.78" x 3.62")
Weight: 575 g (1.27 lb)
AC Power Unit:
Power: 115 Vac or 230 Vac ±10%; 50-60 Hz, 11.5 watts max.
Excitation: 24 V @ 25 mA or 12 V @ 50 mA or 10 V @ 120 mA or 5 V @ 60 mA
DC Power Unit:
Power: 10-32 Vdc; 7.5 watts max.
Excitation: 24 V @ 25 mA or 12 V, 10 V, 5 V @ 35 mA (For Low/Medium Brightness)



New Big Bright LED display
Menu selectable color:
(Red, Green, Amber)
21 mm (0.83") Height



Typical LED Display
13.8 mm (0.54") Height

Product Selection (Specify Model Number, see variations below in partnumber builder table)

Part Number	Description	Qty.
INFCS-000B	INFINITY® C strain meter, 115 Vac power, basic unit	
INFCS-001B	INFINITY® C strain meter, 115 Vac power, non-isolated analog output	
INFCS-010B	INFINITY® C strain meter, 115 Vac power, dual	

	5 A form C SPDT relays
INFCS-011B	INFINITY® C strain meter, 115 Vac power, non-isolated analog output and dual 5 A form C SPDT relays
INFCS-012B	INFINITY® C strain meter, 115 Vac power, isolated analog output and dual 5 A form C SPDT relays

Part Number Builder

	(1)	(2)	
INFCS-	0	00	**B**

Option Descriptions

(1) Power

Select

0 for 115 Vac
1 for 230 Vac
4 for 10-32 Vdc
6 for 26-56 Vdc

(2) Control/Analog Output(s)

Select

00 for basic unit
01 for non-isolated analog output
10 for dual 5 A form C SPDT relays
11 for dual 5 A form C relays and non-isolated analog output
12 for dual 5 A form C relays and isolated analog output

NOTE: All combinations may not be valid, check spec sheet for valid part numbers.

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

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