



**NEWPORT®  
BRAND**

Basic Unit  
**\$545**

SPEC SHEET  
INFS

# INFINITY™ SERIES METERS for Strain and Scale



Shown with OMEGADYNE™ LC101  
SERIES Load Cell Sold Separately.  
OMEGADYNE™ FAX #3614



All INFW Models  
COC #92-152



- ✔ 6 Digits
- ✔ NEMA 4 (IP65) Front Panel
- ✔ Four Isolated Open Collector Outputs
- ✔ Wide Selection of dc Voltage and Current Ranges
- ✔ Ratiometric Inputs
- ✔ Tare
- ✔ 1.5 to 11 and 24 Vdc Sensor Excitation

- ✔ Large Digital Offset Capabilities Enabling Easy Scaling in Engineering Units
- ✔ Smart Filtering Detects the Difference Between a Spike or Process Change (Patent Applied For)
- ✔ Selectable Decimal Point and Read Rates of up to 13 Readings/Sec
- ✔ Peak and Valley Detection and Memory
- ✔ Configurable Via Front Pushbuttons or Via RS-232 or RS-485
- ✔ Scale Meter has Selectable Scale Divisions, Selectable Classes I (III, IIII, or IV) and Handbook 44 Certification

The INFINITY strain gage meter can be configured, via the five front-panel pushbuttons and/or the optional serial communications boards, to accept any of a variety of dc voltage ranges (some ranges plus unipolar or bipolar are first selected via a jumper located at the top of the instrument housing) and display them in engineering units.

The INFW scale meter offers the same features as the INFS strain meter, plus it is easily integrated into your data acquisition systems, PLCs or other computer-controlled systems with the optional inputs. Other features include dual relay of BCD output, isolated analog output, RS-232 or RS-484 serial communications options, auto or sequential tare, class selection, and display of units of measure. Self-diagnostics are performed automatically on power-up.

These meters provide both software and hardware lockout configurations which let you define the parameters, from setpoint adjustment to total reprogramming. Users can scale and offset their input signal into any engineering units desired. This is accomplished by the use of an exclusive two-data point method of scale and offset that eliminates the signal errors transmitted from a sensor. The meter provides a choice of sensor excitations of 1.5 to 11 Vdc or 24 Vdc for sensors such as load cells, strain gages, and pressure transducers.

For Sales and Service  
In U.S.A. and Canada

**1-800-872-3963<sup>SM</sup>**  
**1-800-USA-DYNE**

International Customers Dial  
**(614) 965-9340**  
24-Hour FAX (614) 965-9438

**OMEGADYNE<sup>SM</sup> FAX**

OMEGADYNE's 24-Hour  
On-Line Publishing Service

**1-800-344-3963<sup>SM</sup>**  
**1-800-DIG-DYNE**

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#### OPTIONS

- ✔ Isolated Dual 7 Amp Form C Relays
- ✔ Isolated Parallel BCD Output
- ✔ Isolated Analogue Output of 0-10 Vdc, 0-5 Vdc, 1-5 Vdc, 0-20 mA dc and 4-20 mA dc
- ✔ Isolated Serial RS-232
- ✔ Isolated RS-485, Addressable up to 199 Units

The INFS strain gage meter is a microprocessor-based indicator/controller with enhanced features that allow you to easily configure the unit for virtually any application. It is compatible with most strain gage sensors such as load cells and pressure transducers.