



- ✓ **Very Easy Scaling**
- ✓ **4-Digit LED Display**
- ✓ **Max or Min Recall**
- ✓ **Short Case 4.1" (104 mm)**
- ✓ **Red or Green LED Display**
- ✓ **Power 115 Vac, 230 Vac or 10-32 Vdc**

The **NEWPORT® INFINITY® "D"** Family of programmable Microprocessor-Based digital panel meters are simple and reliable. Models are available for process (DC Voltage and Current), Thermocouple and pH.

IDpH METER

The IDpH is an economical, user-friendly panel meter for pH measurement. Its small size allows for easy installation and will accommodate any pH electrode with BNC connector. Temperature compensation is either manual or automatic with use of any 1000Ω platinum RTD.

IDpH SPECIFICATIONS

Accuracy: ±0.02 pH
Input: Impedance > 10¹² ohms
Temp. Compensation: Manual fixed resistors; Automatic 1000Ω RTD
Display Range: 0-14 pH
Connections: BNC

Ordering Information

Model	Description
IDP - *	Process Meter
IDT - *	Thermocouple Meter
IDpH - *	pH Meter
,FS	Factory Scaled

Ordering Example: IDP-0,FS: 4-20 mA = 0-2000

PROCESS METER

IDP

- ✓ **Very Easy Scaling**
- ✓ **4-20 mA, 0-5 V, 1-5 V or 0-10 V Selectable Input**
- ✓ **4-Digit LED Display**
- ✓ **Built-In Excitation**
- ✓ **Front Panel Digital Tare**
- ✓ **Max or Min Recall**

Very easy scaling via the front-panel pushbuttons provides an economical solution for monitoring a variety of process parameters. The model IDP accepts voltage or current inputs and provides a 4-digit scaled indication of the measured value. Standard features include a front panel activated, digital tare function, recall of the maximum or minimum measurement and a space saving short case.

IDP SPECIFICATIONS

Input: 4-20 mA (20 Ohm), 0-5 Vdc, 1-5 Vdc, 0-10 Vdc
Display Range: -1999 to 9999
Accuracy: ±0.05 % of reading ±1 lsd
Excitation: 10 Vdc @ 50 mA or 24 Vdc @ 25 mA

* = Display/Power Options

Order Code	Display Color	Power
0	Red	115 Vac
1	Red	230 Vac
2	Green	115 Vac
3	Green	230 Vac
4	Red	10-32 Vdc
5	Green	10-32 Vdc

THERMOCOUPLE METER

IDT

- ✓ **Single Button °C/°F Selection**
- ✓ **Min and Max Recall**
- ✓ **Display Hold**

The model IDT is an economical digital panel meter for use with thermocouples J, K, T, E, R, S, N, or J DIN. Simple front panel programming allows selection of MAX or MIN (peak or valley) temperatures. Connections for thermocouple input, power or external display hold switch made with plug-in screw terminal connectors.

IDT SPECIFICATIONS

Accuracy: (@ 25°C) ±0.5 °C
Resolution: 1.0 or 0.1 degree (100-1000)
Input: J, K, T, E, R, S, N, J DIN

COMMON SPECIFICATIONS

Operating Temp: 0 to 50°C (32 to 122°F)
Display: 4-digit, red or green LED, 14.2 mm (0.56") high
Voltage: 115 Vac ±10% standard (230 Vac or 10-32 Vdc, optional)
Frequency: 50 or 60 Hz
Power Consumption: 3.5 watts max. (IDP), 2.5 watts max. (IDT, IDpH)
Dimensions: 96 W x 48 H x 104 mm D (3.78 x 1.89" x 4.10")
Panel Cutout: 92 W x 45 mm H (1/8 DIN, 3.62 x 1.77")
Depth Behind Panel: 100 mm (3.94")
Weight: 312 g (11 oz)