Series MONOGRAM MONOGRAM Meters and PID Controllers

DPi32 Meters Starts at

> CNi32 Controllers Starts at





- ✓ High Quality
- ✓ 5-Year Warranty
- High Accuracy ±0.5°C (0.9°F), 0.03% Reading
- First ½ DIN Instrument with Totally Programmable Color Displays (Standard)
- User-friendly, Simple to Configure
- Free Software, Active X Controls
- ✓ Full Autotune PID Control

The OMEGA® DPi32/CNi32 is the iSeries meter (DPi32) and controller (CNi32) in the extremely compact and increasingly popular ½ DIN size. The DPi32/CNi32 is the most sophisticated and accurate instrument available in the small ½ DIN package, yet is still easy to configure.

The DPi32/CNi32 handles more thermocouple, RTD, process voltage and current inputs than any other ½ DIN controller.

The DPi32/CNi32 is the first $\frac{1}{22}$ DIN controller with built-in excitation for transmitters or other devices, 24 Vdc @ 25 mA.

The DPiS32/CNiS32 has built-in excitation for bridge transducers, 5 Vdc @ 40 mA or 10 Vdc @ 60 mA. When communications options are installed, external excitation may be used and ratiometric operation maintained by connecting the external excitation to the sense leads. Both 4 or 6-wire bridge configurations are supported for internal or external excitation. Non-ratiometric operation is supported for voltage and current transducers and is also valuable in measuring offset and millivolt output

- Universal Inputs: Thermocouple, RTD, Process Voltage/Current, Strain
- First ½ DIN Instrument Offering Both RS232 and RS485 Serial Communications in One Instrument (Optional)
- First ½ DIN Instrument with Built-in Excitation, 24 Vdc, Standard
- Temperature Stability ±0.04°C/°C RTD and ±0.05°C/°C TC @ 25°C (77°F)

of bridge devices during manufacturing and calibration.

This model also features 10 Point Linearization which allows the user to linearize the signal input from extremely nonlinear transducers of all kinds.

The DPi32/CNi32 and DPiS32/CNiS32 introduce a number of unique features not yet found on any other ½ DIN instrument. The DPi32/CNi32 and DPiS32/CNiS32 are the first ½ DIN controllers with a totally programmable display that can change color at any set point or alarm point. The unique ✓ NEMA-4 (IP65) Front Bezel

- First ¹/₃₂ DIN Instrument with Analog Output Selectable as a Control Output or as Retransmission of Process Variable
- 2 Control or Alarm Outputs (Optional) dc Pulse, Solid State Relays (SSR's), Mechanical Relays, Analog Voltage & Current
- Front Removable and Plug Connectors

9-segment LED characters greatly improves alphanumeric representations.

The DPi32/CNi32 and DPiS32/CNiS32 are the first ½ DIN controllers offering 2 SPDT (Single Pole Double Throw) Form C relays, instead of the single throw relays on typical ½ DIN controllers.

The DPi32/CNi32 and DPiS32/CNiS32 are the first to offer both RS232 and RS422/485 serial communications in one instrument (-C24 option). Both ASCII protocol and modbus protocol are selectable from the menu.

The **iSeries** displays feature unique 9-segment LED characters, which greatly improves alphanumeric representations. The 7-segment LED characters found on most instruments are adequate for presenting numbers, but not letters. Words are



easier to read with the unique 9-segment LED characters on the **iSeries**, which makes operating and programming simpler and easier.

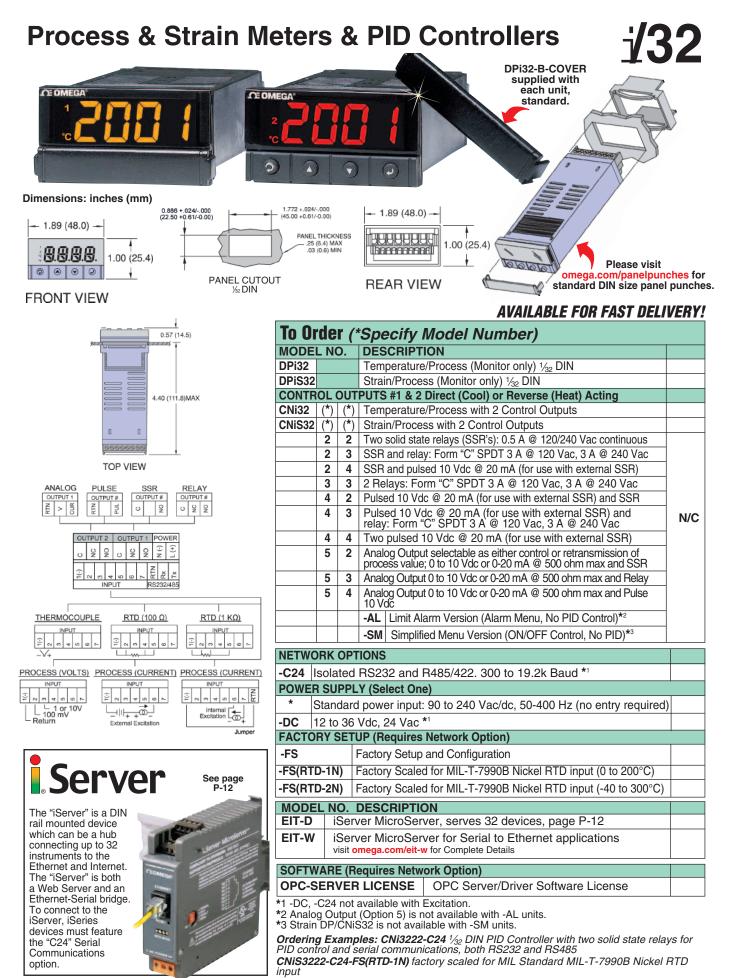




9-segment display

7-segment display

P-19



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