

£101
1/432 DIN meter
£131
with 2 control outputs



- ✓ High Quality
- ✓ 5-Year Warranty
- ✓ High Accuracy $\pm 0.5^{\circ}\text{C}$ (0.9°F), 0.03% Reading
- ✓ First 1/32 DIN Instrument with Totally Programmable Colour Displays (Standard)
- ✓ User-friendly, Simple to Configure
- ✓ Free Software, Active X Controls
- ✓ Full Autotune PID Control

- ✓ Universal Inputs: Thermocouple, RTD, Process Voltage/Current, Strain
- ✓ First 1/32 DIN Instrument Offering Both RS232 and RS485 Serial Communications in One Instrument (Optional)
- ✓ First 1/32 DIN Instrument with Built-In Excitation, 24 Vdc, Standard
- ✓ Temperature Stability $\pm 0.04^{\circ}\text{C}/^{\circ}\text{C}$ RTD and $\pm 0.05^{\circ}\text{C}/^{\circ}\text{C}$ TC @ 25°C

- ✓ IP65 (NEMA 4) Front Bezel
- ✓ First 1/32 DIN Instrument with Analogue Output Selectable as a Control Output or as Retransmission of Process Variable
- ✓ 2 Control or Alarm Outputs (Optional) DC Pulse, Solid State Relays (SSRs), Mechanical Relays, Analogue Voltage & Current
- ✓ Removable Front and Plug Connectors

The NEWPORT® i32 is the iSeries meter/controller in the extremely compact and increasingly popular 1/32 DIN size. The i32 is the most sophisticated and accurate instrument available in the small 1/32 DIN package, yet is still easy to configure.

The i32 handles more thermocouple, RTD, process voltage, and current inputs than any other 1/32 DIN controller.

The i32 is the first 1/32 DIN controller with built-in excitation for transmitters or other devices, 24 Vdc @ 25 mA.

The iS32 has built-in excitation for bridge transducers, 5 Vdc @ 40 mA or 10 Vdc @ 60 mA. When communications options are installed, external excitation can 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 of bridge devices during manufacturing and calibration.

This model also features 10-point linearisation that allows the user to linearise the signal input from extremely nonlinear transducers of all kinds.

The i32 and iS32 introduce a number of features not yet found on any other 1/32 DIN instrument. The i32 and iS32 are the first 1/32 DIN controllers with a totally programmable display that can change colour at any setpoint or alarm point. The unique 9-segment LED characters greatly improve alphanumeric representations.

The i32 and iS32 are the first 1/32 DIN controllers offering 2 SPDT (single pole double throw) Form C relays, instead of the single throw relays typical on 1/32 DIN controllers.

The i32 and iS32 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 other 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 LED

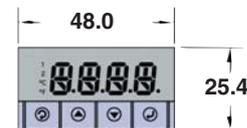
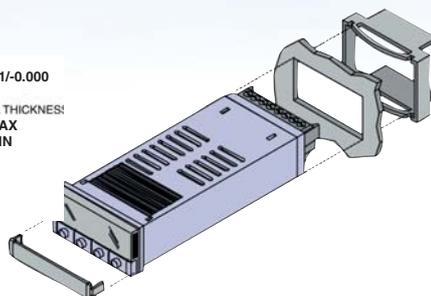
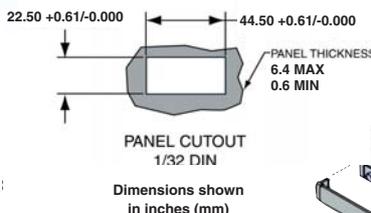
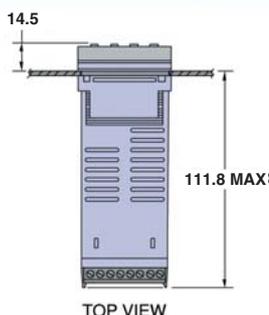


7-segment display

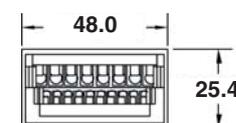


9-segment display

Process, & Strain Meters & PID Controllers



FRONT VIEW

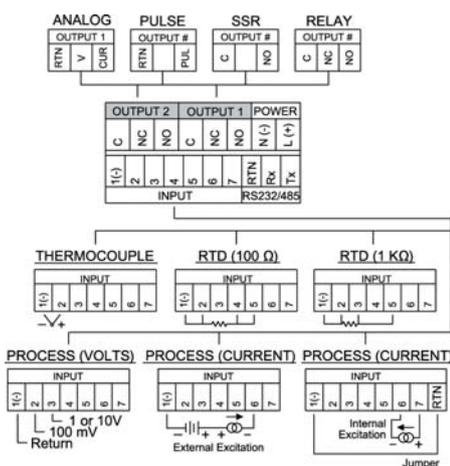


REAR VIEW

ALL MODELS AVAILABLE FOR FAST DELIVERY!

To Order (*Specify Model No.)			
Model Number	Description		Price
DPI32	Temperature/Process (Monitor only) 1/32 DIN		£101
DPIS32	Strain/Process (Monitor only) 1/32 DIN		131
CONTROL OUTPUTS #1 & 2 Direct (Cool) or Reverse (Heat) Acting			
CNI32	(*) (*) Temperature/Process with 2 Control Outputs		£131
CNIS32	(*) (*) Strain/Process with 2 Control Outputs		161
2 2	Two solid state relays (SSRs): 0.5 A @ 120/240 Vac continuous	N/C	
2 3	SSR and relay: Form "C" SPDT 3 A @ 120 Vac, 3 A @ 240 Vac		
2 4	SSR and pulsed 10 Vdc @ 20 mA (for use with external SSR)		
3 3	2 Relays: Form "C" SPDT 3 A @ 120 Vac, 3 A @ 240 Vac		
4 2	Pulsed 10 Vdc @ 20 mA (for use with external SSR) and SSR		
4 3	Pulsed 10 Vdc @ 20 mA (for use with external SSR) and relay: Form "C" SPDT 3 A @ 120 Vac, 3 A @ 240 Vac		
4 4	Two pulsed 10 Vdc @ 20 mA (for use with external SSR)		
5 2	Analogue Output selectable as either control or retransmission of process value; 0 to 10 Vdc or 0 to 20 mA @ 500 Ω max. and SSR		
5 3	Analogue Output 0 to 10 Vdc or 0 to 20 mA @ 500 Ω max. and Relay		
5 4	Analogue Output 0 to 10 Vdc or 0 to 20 mA @ 500 Ω max., Pulse 10 Vdc		
-AL Limit Alarm Version (Simplified Menu; No PID Control) *2			

*1 -DC, -C24 not available with excitation. *2 Analogue Output (Option 5) is not available with -AL units.





The "iServer" is a DIN rail mounted device that can be a hub connecting up to 32 instruments to an Ethernet and the Internet. The "iServer" is both a Web server and an Ethernet-Serial bridge. To connect to the iServer, iSeries devices must feature the "C24" Serial Communications option. See page 83.



NETWORK OPTIONS			Price
-C24	Isolated RS232 and RS485/422. 300 to 19.2K Baud *1		£41
EIS-2B	Industrial iServer Microserver™, serves 32 devices		131
POWER SUPPLY			
*	Standard power input: 90 to 240 Vac/Vdc, 50 to 400 Hz (no entry required)		N/C
-DC	12 to 36 Vac/Vdc, 24 Vac *1		£17
FACTORY SETUP			
-FS	Factory Setup and Configuration (req. -C24 Serial Communication option)		N/C
SOFTWARE (REQUIRES NETWORK OPTION)			
OPC-SERVER LICENSE	OPC Server/Driver Software License		£198

Ordering Examples: CNI3222-C24, 1/32 DIN PID controller with two solid state relays for PID control and serial communications, both RS232 and RS485, £131 + 41 = £172.
 DPI32, 1/32 DIN temperature/process monitor, £101.
 CNIS322-AL, 1/32 DIN strain/process controller, limit alarm version with SSR output, £161.



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• Flow and Level

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• Heaters

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