$150
1/32 DIN meter
$195
with 2 control outputs

✔ **High Quality**

✔ **5-Year Warranty**

✔ **High Accuracy ±0.5°C (0.9°F), 0.03% Reading**

✔ **First ⅟₃₂ DIN Instrument with Totally Programmable Color 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 ⅟₃₂ DIN Instrument Offering Both RS-232 and RS-485 Serial Communications in One Instrument (Optional)**

✔ **First ⅟₃₂ 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)**

✔ **NEMA-4, IP65 Front Bezel**

✔ **First ⅟₃₂ 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**

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 @ 25mA.

The iS32 has built-in excitation for bridge transducers, 5Vdc @ 40mA or 10 Vdc @ 60mA. 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 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 i32 and iS32 introduce a number of unique 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 color at any set point or alarm point. The unique 9-segment LED characters greatly improves alphanumeric representations.
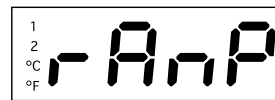
The i32 and iS32 are the first 1/32 DIN controllers offering 2 SPDT (Single Pole Double Throw) Form C relays, instead of the single throw relays on typical 1/32 DIN controllers.

The i32 and iS32 are the first to offer both RS-232 and RS-422/485 serial communications in one instrument (C24 option). Both ASCII protocol and modbus protocol are selectable from the menu.
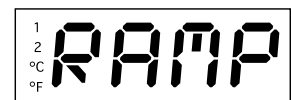
The **iSeries** displays feature unique 9-segment LED characters, which greatly improves alphanumeric representations. The 7-segment LED characters found on most instruments are adequate for presenting numbers, but not letters. Words are easier to read with the unique 9-segment LED characters on the **iSeries**, which makes operating and programming simpler and easier.
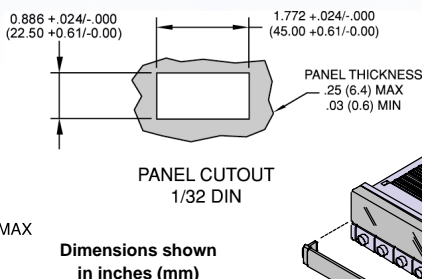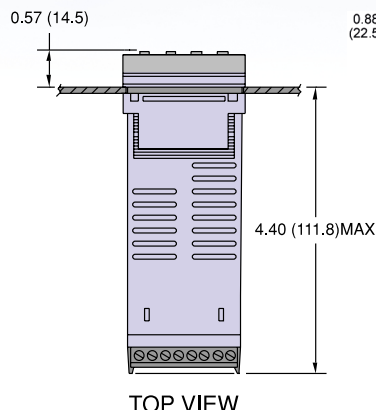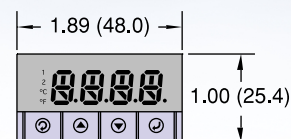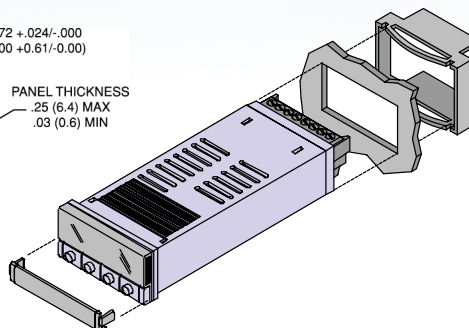
9-segment LED   7-segment display   9-segment display

Process, Strain Meters, & PID Controllers

C **UL** US
LISTED

◇ **FM** APPROVED
For Temp. Units

C E

0.57 (14.5)

4.40 (111.8)MAX

TOP VIEW

0.886 +.024/-.000
(22.50 +0.61/-0.00)

1.772 +.024/-.000
(45.00 +0.61/-0.00)

PANEL THICKNESS
.25 (6.4) MAX
.03 (0.6) MIN

PANEL CUTOUT
1/32 DIN

Dimensions shown in inches (mm)

1.89 (48.0)

1.00 (25.4)

FRONT VIEW

1.89 (48.0)

1.00 (25.4)

REAR VIEW

Wiring Diagrams

ANALOG	PULSE	SSR	RELAY
OUTPUT 1	OUTPUT #	OUTPUT #	OUTPUT #
RTN V CUR	RTN PUL	C NO	C NC NO

OUTPUT 2	OUTPUT 1	POWER
C NC NO	C NC NO	N (-) L (+)
1(-) 2 3	4 5 6 7	RTN Rx Tx
INPUT		RS232/485

THERMOCOUPLE — INPUT — 1(-) 2 3 4 5 6 7

RTD (100 Ω) — INPUT — 1(-) 2 3 4 5 6 7

RTD (1 KΩ) — INPUT — 1(-) 2 3 4 5 6 7

PROCESS (VOLTS) — INPUT — 1(-) 2 3 4 5 6 7 — 1 or 10V / 100 mV Return

PROCESS (CURRENT) — INPUT — 1(-) 2 3 4 5 6 7 — External Excitation

PROCESS (CURRENT) — INPUT — 1(-) 2 3 4 5 6 7 RTN — Internal Excitation — Jumper

iServer

The "iServer" is a DIN rail mounted device which can be a hub connecting up to 32 instruments to the Ethernet and 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.

To Order (*Specify Model No.)

Model Number			Description	Price
i3200			Temperature/Process (Monitor only) 1/32 DIN	150
iS3200			Strain/Process (Monitor only) 1/32 DIN	195
CONTROL OUTPUTS #1 & 2 Direct (Cool) or Reverse (Heat) Acting				
i32	(*)	(*)	Temperature/Process with 2 Control Outputs	195
iS32	(*)	(*)	Strain/Process with 2 Control Outputs	240
	2	2	Two solid state relays (SSR's): 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	Analog Output selectable as either control or retransmission of process value; 0 to 10 Vdc or 0-20 mA @ 500 ohm max. and SSR	
	5	3	Analog Output 0 to 10 Vdc or 0-20 mA @ 500 ohm max. and Relay	
	5	4	Analog Output 0 to 10 Vdc or 0-20 mA @ 500 ohm max. and Pulse 10 Vdc	
		-AL	Limit Alarm Version (Alarm Menu, PID Control)[*2]	
		-SM	Simplified Menu Version (ON/OFF Control, No PID)[*3]	

NETWORK OPTIONS		Price
-C24	Isolated RS-232 and R-485/422. 300 to 19.2k Baud [*1]	60
POWER SUPPLY		
*	Standard power input: 90-240 Vac/dc, 50-400 Hz (no entry required)	N/C
-DC	12-36 Vdc, 24 Vac [*1]	25
FACTORY SETUP		
-FS	Factory Setup and Configuration (req. -C24 Serial Communication option)	N/C

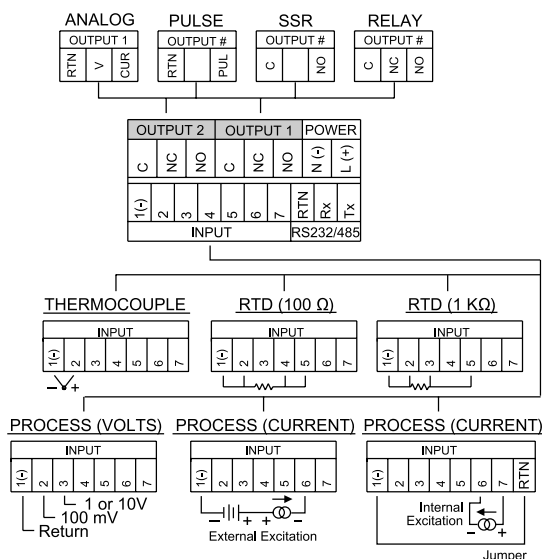| Model Number	Description	Price
EIS-2B	iServer MicroServer, serves 32 devices	195
EIS-W	iServer MicroServer for Serial to Ethernet applications See iServer MicroServer Products for Complete Details	195

SOFTWARE (Requires Network Option)		Price
OPC-SERVER LICENSE	OPC Server/Driver Software License	295

*1 -DC, -C24 not available with Excitation.
*2 Analog Output (Option 5) is not available with -AL units.
*3 Strain iS32 is not available with -SM units.

ORDERING EXAMPL0.1ES: i3222-C24 is a 1/32 DIN PID Controller with two solid state relays for PID control and serial communications, both RS-232 and RS-485 $195 + $60 = $255.