

# Meter Selection Guide

**MONOGRAM**  
**i Series**



**i8**

**i8DH**

**i8DV**

| Description  | 1/8 DIN Single Display Monitor/ Controller  | 1/8 DIN Dual Display Horizontal PID Controller   | 1/8 DIN Dual Display Vertical PID Controller   |
|--|---|--|--|
| Location   | Page P-14   | Page P-16  | Page P-16  |
| <b>Input</b><br><b>Process and Temperature (model "i")</b><br>T/C: (J, K, T, E, R, S, B, C, N, J DIN)<br>RTD: Pt 100, 500, 1000 Ohms (385, 392)<br>4 to 20 mA, 0 to 100 mV, 0 to 1 V, 0 to 10 V<br><b>Strain and Process (model "iS")</b><br>4 to 20 mA, 0 to 100 mVdc, -100 mVdc to +1 Vdc, 0 to 10 Vdc<br>Ratiometric/Non-Ratiometric<br>10 pt linearization | ✓   | ✓  | ✓  |
|  | ✓   | ✓  | ✓  |
| <b>Display</b><br>Nine Segment LED Digits<br>Color Programmable: <b>RED, AMBER, GREEN</b><br><br>Height of Digits  | Single Display<br><br>21 mm (0.83")   | Dual Display<br><br>Process Value: 21 mm (0.83") top display<br>Setpoint Value: 10.2 mm (0.40") bottom display                                     | Dual Display<br><br>Process Value: 10.2 mm (0.40") top display<br>Setpoint Value: 10.2 mm (0.40") bottom display |
| <b>Available Output Options</b><br>(Any combination of Two)<br><b>SSR's:</b> Solid State Relays 0.5 A @120/240 Vac<br><b>Relays:</b> Form "C" SPDT 3 A @120/240 Vac<br><b>Pulse:</b> 10 Vdc @ 20 mA (for use w/ external SSR)<br><b>A/O:</b> Programmable Analog Voltage & Current Output (non-isolated)   |   | Two Outputs Standard   | Two Outputs Standard   |
| <b>Optional</b> Isolated Programmable Analog Voltage & Current Output (i8A only)   | ✓   |  |  |
| <b>Power</b> (standard)<br>90 to 240 Vac, 50 to 400 Hz<br>110 to 375 Vdc, Equivalent voltage   | ✓   | ✓  | ✓  |
| <b>Low Voltage Power Option</b><br>12 to 36 Vdc, 3 W   | ✓   | ✓  | ✓  |
| <b>Mechanical</b><br>(size: H x W x D )  | 48 x 96 x 127 mm<br>(1.89 x 3.78 x 5")  | 48 x 96 x 127 mm<br>(1.89 x 3.78 x 5")   | 96 x 48 x 127 mm<br>(3.78 x 1.89 x 5")   |
| <b>Weight</b>  | 295 g (0.65 lb)   | 295 g (0.65 lb)  | 295 g (0.65 lb)  |
| <b>Network Options</b><br>1. RS232, RS422, RS485, modbus (-C24)<br>2. Ethernet + RS485, Modbus (-C4EI)<br>3. Ethernet (-EI)  | ✓<br>✓<br>✓   | ✓<br>✓<br>✓  | ✓<br>✓<br>✓  |
| <b>Base Unit Pricing</b><br><b>Most Popular Model</b>  | DPi8 <b>\$240</b><br>CNI833-C24<br>1/8 DIN single display controller with two mechanical relay output + Serial output | CNI8DH33 <b>\$340</b><br>CNI8DH33-C4EI<br>1/8 DIN dual display horizontal controller with two mechanical relay output + Serial and Ethernet output | CNI8DV33 <b>\$340</b><br>CNI8DV43<br>1/8 DIN dual display vertical controller with pulse and relay output        |

# Temperature, Process and Strain Meters, and PID Controllers

| <br>i8C              | <br>i16                  | <br>i16D                             | <br>i32                        |
|---|---|--|---|
| $\frac{1}{8}$ DIN Ultra Compact Monitor/ Controller   | $\frac{1}{6}$ DIN Single Display Monitor/ Controller  | $\frac{1}{6}$ DIN Dual Display Monitor/ Controller   | $\frac{1}{32}$ DIN Single Display Monitor/ Controller   |
| Page P-21   | Page P-18   | Page P-18  | Page P-20   |
| ✓   | ✓   | ✓  | ✓   |
| ✓   | ✓   | ✓  | ✓   |
| Single Display<br>21 mm (0.83")   | Single Display<br>10.2 mm (0.40")   | Dual Display<br>Process Value: 10.2 mm (0.40")<br>top display<br>Setpoint Value: 10.2 mm (0.40")<br>bottom display     | Single Display<br>10.2 mm (0.40")   |
|   |   | Two Outputs Standard   |   |
| ✓<br>✓<br>✓<br>✓  | ✓<br>✓<br>✓<br>✓  | ✓<br>✓<br>✓<br>✓   | ✓<br>✓<br>✓<br>✓  |
| ✓   | ✓   | ✓  | ✓   |
| ✓   | ✓   | ✓  | ✓   |
| 48 x 96 x 54.84 mm<br>(1.89 x 3.78 x 2.159")<br><br>255 g (0.55 lb)                                   | 48 x 48 x 127 mm<br>(1.89 x 1.89 x 5")<br><br>159 g (0.35 lb)   | 48 x 48 x 127 mm<br>(1.89 x 1.89 x 5")<br><br>159 g (0.35 lb)  | 25.4 x 48 x 127 mm<br>(1.0 x 1.89 x 5")<br><br>127 g (0.28 lb)  |
| ✓   | ✓   | ✓<br>✓   | ✓   |
| EIS-2 or EIS-W  | EIS-2 or EIS-W  | ✓  | EIS-2 or EIS-W  |
| DPi8C <b>\$285</b><br>CNI8C53<br>$\frac{1}{8}$ DIN compact controller<br>with analog and relay output | DPi16 <b>\$180</b><br>CNI1633<br>$\frac{1}{6}$ DIN single display<br>controller with two relay<br>outputs | CNI16D33 <b>\$245</b><br>CNI16D43-C24<br>$\frac{1}{6}$ DIN dual display with pulse<br>and relay output + serial output | DPi32 <b>\$150</b><br>CNI3243-C24<br>$\frac{1}{32}$ DIN controller with pulse<br>and relay output + serial output |



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