Model iS8 1/8 DIN Series Strain & Process Meters & Controllers **DPiS8 Series**

Available

High Quality

- FREE 5-Year Warranty
- High Accuracy 0.03% Rdg
- User-Friendly, Simple to Configure
- Free Software, Active X Controls

The iS8 series of meter/controllers handles a wide variety of DC voltage and current outputs for all common load cells, pressure transducers, and most any strain gauge type of transducer. The iS8 measures input ranges of 0-100 mV (±50mV), 0-1 V, 0-10 V, 0-20 mA (4-20 mA).

The iS8 is easy to configure and scale to virtually any engineering units with the push buttons on the front panel, or with a personal computer using the free configuration software and the optional serial communications. The serial communications option includes both RS-232 and RS-485 on one instrument, and the straightforward OMEGA ASCII



communications protocol, as well as MODBUS protocol. The iS8 includes built-in excitation for transducers, selectable as 10 V at 100 mA or 5 V at 60 mA.

point.

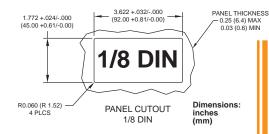
The iS8 features the iSeries totally programmable color display, the biggest, brightest display of any 1/8 DIN instrument, that can change colors between Green, Amber, and Red at any programmed set point or alarm point.

The iS8 features a choice of two optional outputs: Form C SPDT (single pole double throw) mechanical relays, Solid State Relays, DC pulse, and/or programmable analog output selectable as either a controlling function or as retransmission of the process value.



Basic Unit

Shown actual size



To Order (*Specify Model No.)				
MODEL	NUN	ИВЕ	R DESCRIPTION	PRICE
DPiS8			No control outputs (monitor only)	\$275
2 CONTROL OUTPUTS - Direct or Reverse Acting				
CNiS8	2	2	Two solid state relays (SSR): 0.01-1 A @ 12-280 Vac continuous	34
CNiS8	2	3	SSR and relay: Form "C" SPDT 3 A @ 120/240 Vac	34
CNiS8	2	4	SSR and pulsed 10 Vdc @ 20 mA (for use with external SSR)	34
CNiS8	3	3	2 relay: Form "C" SPDT 3 A @ 120/240 Vac	34
CNiS8	3	4	Relay and pulsed 10 Vdc @ 20 mA (for use with external SSR)	34
CNiS8	4	4	Two pulsed 10 Vdc @ 20 mA (for use with external SSR)	34
CNiS8	5	2	Analog output selectable as either control or retransmission of process value; 0 to 10 Vdc or 0-20/4-20 mA @ 500 Ω max. and SSR	34
CNiS8	5	3	Analog output 0 to 10 Vdc or 0-20/4-20 mA @ 500 Ω max. and Relay	34
CNiS8	5	4	Analog output 0 to 10 Vdc or 0-20 mA @ 500 Ω max. and pulse 10 Vdc	34
SERIAL	COI	ммι	JNICATION (optional)	
-C24	Isol	ated	RS-232 and RS-485 300 to 19.2 k baud	60
POWER	SU	PPL	Y (optional)	
Standard power input: 90 to 240 Vac/dc, 50 to 400 Hz (no entry required)				N/C
-DC	24 Vac 50-400 Hz or 12-36 Vdc, 5 W (optional) 2			

Ordering Example: CNiS822-C24-DC, Two solid state relays (SSR), Isolated RS-232 and RS-485 300 to 19.2 k baud, 10-34 Vac/dc, \$430

D

common Load Cells & **Pressure Transducers**

SPECIFICATIONS: Input Ranges: 0-100 mV,

±50 mV, 0-1 V, 0-10 V, 0-20 mA, 4-20 mA Isolation: 354 V peak per IEC spacing NMR: 60 dB CMR: 120 dB Input Impedance: 10 M Ω for 100 mV input The display can be $1 M\Omega$ for 1 or 10 V input programmed to 5 Ω for 20 mA current input change color to **Display:** 4 digits, 9 segments GREEN, AMBER, 21 mm (.83") or **RED** at any Analog-to-Digital technique: setpoint or alarm Dual slope Internal resolution: 15 bits Read rate: 3 / sec Polarity: Automatic Max Error Strain/Process: ±0.03% rdg. Span tempco.: ± 50 ppm / C Step response: 1-2 sec. Warmup to rated accuracy: 30 min. Analog Output (optional): 0-10 V, 4-20 mA, can be used as Retransmission or PID Control. Excitation Voltage: 10 V @ 100 mA, 5 V @ 60 mA Power: 90-240 Vac 50-400 Hz or 90-375 Vdc, 4 W or (optional) 24 Vac 50-400 Hz or 12-36 Vdc, 5 W Dimensions: 48 H x 96 W x 127 D mm

(1.89"x3.78"x5.0") Weight: 295 g (0.65 lb)

Approvals: CE per EN50081-1, EN50082-2, EN61010-1