

EZ-C PROCESS PANEL METER

STANDARD FEATURES

- Σ High accuracy analog input $\pm 0.005\%$
- Σ Selectable full screen process display
- Σ Easy English menu navigation
- Σ No cryptic codes, Easy value adjustment
- Σ 5 Digit process display
- Σ Microprocessor Based
- Σ 85-305 VAC or 24 VDC Input*Standard*
- Σ 5 Function keys
- Σ Programmable 20 PT Linearization
- Σ Isolated 24VDC Sensor Power
- Σ 1AI 4/20MA, 1-5V, 0-5V, 0-10VDC Input $\pm 0.005\%$
- Σ Modbus® RS485*Standard*
- Σ 1 Analog Output (4-20 0-10V)*Standard*
- Σ High speed DC digital input*Standard*
- Σ 4 Programmable relays, Form C, Form A*Standard*
- Σ Integral Display Filter, User programmable
- Σ 122 X 32 LCD Graphical display (Backlit)
- Σ 1, 2 or 4 Lines of text and graphics
- Σ Selectable PID
- Σ Sensor fail alarm



THE EZ-C PANEL METER PROVIDES CONTINUOUS LEVEL MONITORING FROM ANALOG INPUTS

- Σ Displays process in numeric and bar graph format
- Σ Completely user programmable
- Σ Selectable engineering units list or customize
- Σ Offers Up to 4 Relay alarm or control outputs with setpoint and deadband adjustment
- Σ 100MA of 24VDC sensor power 'On-Board'
- Σ User configurable linearizer
- Σ Scaleable 4/20MA or 0-10V analog output
- Σ Backlit graphical LCD display
- Σ Panel mount 1/8 DIN
- Σ Opto Isolated Rate input
- Σ Dip switch position on screen

The Sigma EZ-C ushers in a new generation of digital panel meters. From the 1/8 DIN 48 X 96MM housing with fully removable P.C. board, to the 122 X 32 pixel bitmapped LCD display. Simple user set up, the Sigma EZ-C offers unmatched versatility in process monitoring and control.

The unit accepts a standard analog input signal and offers isolated retransmission of signal. Digital outputs may be configured for control or alarms and are front panel settable.

Graphical and numerical process displays are standard.

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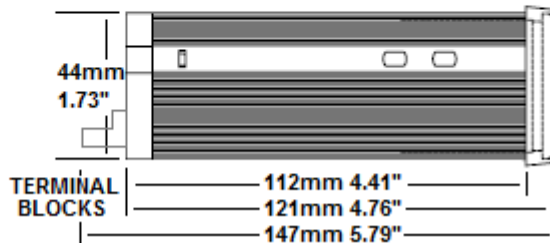
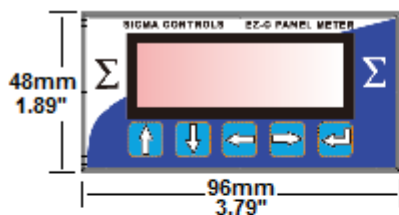
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SPECIFICATIONS

Inputs (1 ea.)	Analog, 4/20MA, 0-5V, 1-5V, 0-10VDC, isolated, $\pm 0.005\%$ accuracy.
Inputs (1 ea.)	Highspeed Digital 1-24VDC (May require external resistor)
Outputs (1 ea.)	Analog, 4-20MA/0-20MA, 0-10V
Outputs (4 ea.)	Relays 5A max. 2) Form A, 2) Form C
Display	LCD, 122 X 32 bitmapped graphical display
Loop Power	24VDC regulated output, 100MA max.
5 User Keys	Up, Down, Left, Right, Enter
Accuracy	0.005% of calibrated span
Lockout	User password
Input Impedance	Voltage 100K current 100 OHMS
Power	85-305VAC 50-60Hz, .12A, 24VDC, .15A
Environmental	Operating 0-65°C, Storage -40° - 80°C, R.H., 0-90% non condensing
Enclosure	1/8 DIN, ABS plastic 48 X 96 X 150mm
Front Panel	Nema 1
Access	Dip switches & contrast adjust
Terminal Strip	(28) 'Pluggable' for ease of wiring 20 – 16AWG
Programming	Menu based, all parameters and setpoints are user configurable via menu prompt and the user keys using the preconfigured screens and 'pull down' sub menus with English prompts assures rapid setup and commissioning.
Warranty	1 Year Warranty
Options	RTD & Thermocouple add on (Future)
Data	Modbus® RTU RS 485 Slave

MECHANICAL

SCREEN SAMPLES



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74.5
FEET OF WATER
1
2
3
4

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***RELAY 1***
SET 30.0
RESET 10.0
BACK NEXT EXIT

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**INPUT SCALE**
4.00mA = .0
20.00mA = 100.0
BACK NEXT EXIT

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Sigma Controls, Inc.
PROCESS CONTROLS AND INSTRUMENTATION

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