FLOW
LEVEL
PRESSURE
ANALYTICAL
TEMPERATURE
INSTRUMENTATION
PASTEURIZATION CONTROLS

AWESOME 1/8 DIN Panel Meter

Know Exactly When Your Critical Process Values Change!

- *27% larger than other 1/8 DIN panel meters - .71" high LED's*
- *Red display is 20% brighter than other panel meters*
- *Programmable color change based on an event*
- *Minimum & maximum values saved until re-set*

A key process value - do your operators have one? Is it easy to monitor? With the AWESOME 1/8 DIN panel meters, featuring big, bright, color-changing displays, keeping track of it is even easier!

Analog input models for temperature, pressure, level, and flow as well as digital input models such as rate meters, indicators, counters and timers are available. These intelligent units offer multiple relay & alarm outputs, optional serial communication, and specialized functions on analog input units. With 13 models to choose from, the process value you require can surely be displayed. The minimum and maximum values along with total alarm time may be saved until re-set.

In fact, your key process value will be displayed on the biggest and brightest 1/8 DIN display in the industry. The AWESOME family features a 0.71" high LED (27% larger than ordinary 1/8 DIN units) with advanced, brilliant red, gallium arsenide technology. Not only is the display large and striking, but it can also *change color*. The display can be programmed to change from red to green or green to red at a preset value.

Easy programming makes these units even more desirable. All models are programmed via the front panel and are scalable to display inputs in engineering units. In addition to showing parameter values on the primary display, a help function can be utilized to show parameter descriptions. The secondary legend also indicates which value is shown on the primary display via a single digit character.

Detailed specifications and ordering information can be found on the reverse, or by visiting our website at www.andinst.com.

ANDERSON INSTRUMENT CO., INC • 156 AURIESVILLE RD. • FULTONVILLE, NY 12072 • USA • 800-833-0081 • FAX 518-922-8997
ANDERSON INSTRUMENT CO. LP • 400 BRITANNIA RD. EAST, UNIT 1 • MISSISSAUGA, ONTARIO L4Z1X9 • CANADA • 905-568-1440 • FAX 905-568-1652
NEGELE MESSTECHNIK GmbH (A Division of Anderson) • RAIFFEISENWEG 7 • D-87743 EGG A. D. GÜNZ • GERMANY • +49 (0) 8333/9204-0 • FAX +49 (0) 8333/9204-49

Specifications

Unique Model Specifications

ANALOG INPUT MODELS

Sensor/Process Inputs

Type:	Temp. Ind.: B, J, K, N, S & T thermocouples, 3 & 4 wire RTDs
	DC Process: to 50 mA, ±10 VDC, ± 100mV
	AC Volts/Amps: from 0-1VAC to 0-600 VAC, 0-1mA to 0-1 amp
	DC Volts/Amps: from 0-100mV to 0-600 VDC, 0-1mA to 0-2 amps
	Strain Gauge: 0-100 mVDC
Accuracy:	±0.1% of span (±0.01% of span for DC Process; ±0.03% of span for Strain Gauge)
Sample Rate:	250ms (100ms for DC Process & Strain Gauge)
Resolution:	14 bits
Sensor Break:	Detected w/in 2 secs. (N/A to AC & DC Volts/Amps)

DIGITAL INPUT MODELS

Count/Time Inputs

Type:	Sinking/Sourcing or Contact Closure (Quadrature for Counters)
Frequency:	10 kHz max. (5 kHz max. for Position Indicator)
Magnetic Input:	0.5 to 90V peak (only for Rate and Rate w/Total)
Logic:	Low ≤ 2.0 VDC, High ≤ 3.0
Response Time:	25 ms
Impedance:	4.7 k-ohms to + Voltage
Function:	Digital Input Models: Input 1: Remote Reset (Display Hold on Rate Meter Model), Input 2: Security Lockout Analog Input Models: Programmable

Common Specifications

Outputs

Solid State:	NPN open collector, 30 VDC max. 100 mA max.
Relay:	SPDT, 5A resistive @110 VAC
Latency:	75µ seconds, plus 8 ms for relay pull-in
Linear Outputs:	(N/A for Totalizer or Counters) 0-20mA, 4-20mA, 0-10V, 2-10V 0-5V, 1-5V (field selectable).

Electrical

Supply Voltage:	90-264 VAC, 50-60Hz, or 20-50 VAC/VDC.
Power Consumption:	4 Watts
Access Power Supply:	9-15 (unregulated VDC), 125mA max. - digital 24 (regulated VDC), 30mA max. - analog

Display

Type:	Red/Green, 7 segment LED, 5-digit primary display, single digit secondary display
Height:	0.71" (18mm) primary display, 0.3" (7mm) secondary display
Annunciators:	Output 1 & 2 status

Physical

Dimensions:	48mm (1.89") x 96mm (3.78"), 110 mm (4.33") deep
Mounting:	Panel mount (bracket supplied), 45mm (1.77") x 92mm (3.62") cutout
Terminals:	Screw type - combination head
Front Panel Rating:	NEMA 4X / IEC IP65
Weight:	0.56 lbs.

Environmental

Operating Temp.:	0° to 55° Celsius, 32° to 131° Fahrenheit
Storage Temp.:	-20° to 80° Celsius, -4° to 176° Fahrenheit
Relative Humidity:	20% to 95% non-condensing
Approvals:	CE

GK □ 628 □ □ □ □ □

INPUT TYPE
- C Digital Input
- S Analog Input

FUNCTION (Digital Input ONLY)
- 1 Totalizer
- 2 Position Ind.
- 4 Rate Meter
- 5 Rate w/ Total
- 6 Elapsed Timer
- 7 Single Preset Ctr.
- 8 Dual Preset Ctr.
- 9 Batch Ctr.

FUNCTION (Analog Input ONLY)
- 1 Temperature
- 2 DC Process (4-20mA)
- 3 AC Volts/Amps
- 5 DC Volts/Amps
- 6 Strain Gauge

INPUT POWER
- 0 90 - 264 VAC
- 2 20 - 50 VAC/VDC

SERIAL COMMUNICATION
- 0 None
- 5 RS-485
- 6 Digital Input (available w/ analog input only)

LINEAR OUTPUT
- 0 None
- 3 Linear Output (not available with digital functions: 1,6,7,8 & 9)

2nd RELAY
- 0 None
- 1 2nd Relay (not available with digital functions: 1,6 & 7)

FORM AIC5010

Revised: August 2010
Supersedes: September 2004