

Model 8570 Series Process Monitor/Controller



APPLICATIONS

The 8570 Series Process Monitor/Controllers are used to monitor various ranges of analog input. Two front programmable setpoints and one optional 4-20 mA analog output provide control function.

The 8571 Series is a panel mountable instrument while the 8572 Series is a self-contained, ready to use, benchtop unit.

FEATURES

- 4½ digit, 7 segment LED
- Full scale accuracy of $\pm 1\%$
- EEPROM memory saves data
- 2 front programmable set points
- 2 stage panel lockout
- NEMA 4X front panel
- +24 V output for excitation
- High/low scaling from front panel
- 4-20 mA output option
- RS422/232 serial communication option
- 2 form C SPDT relay option

BENEFITS

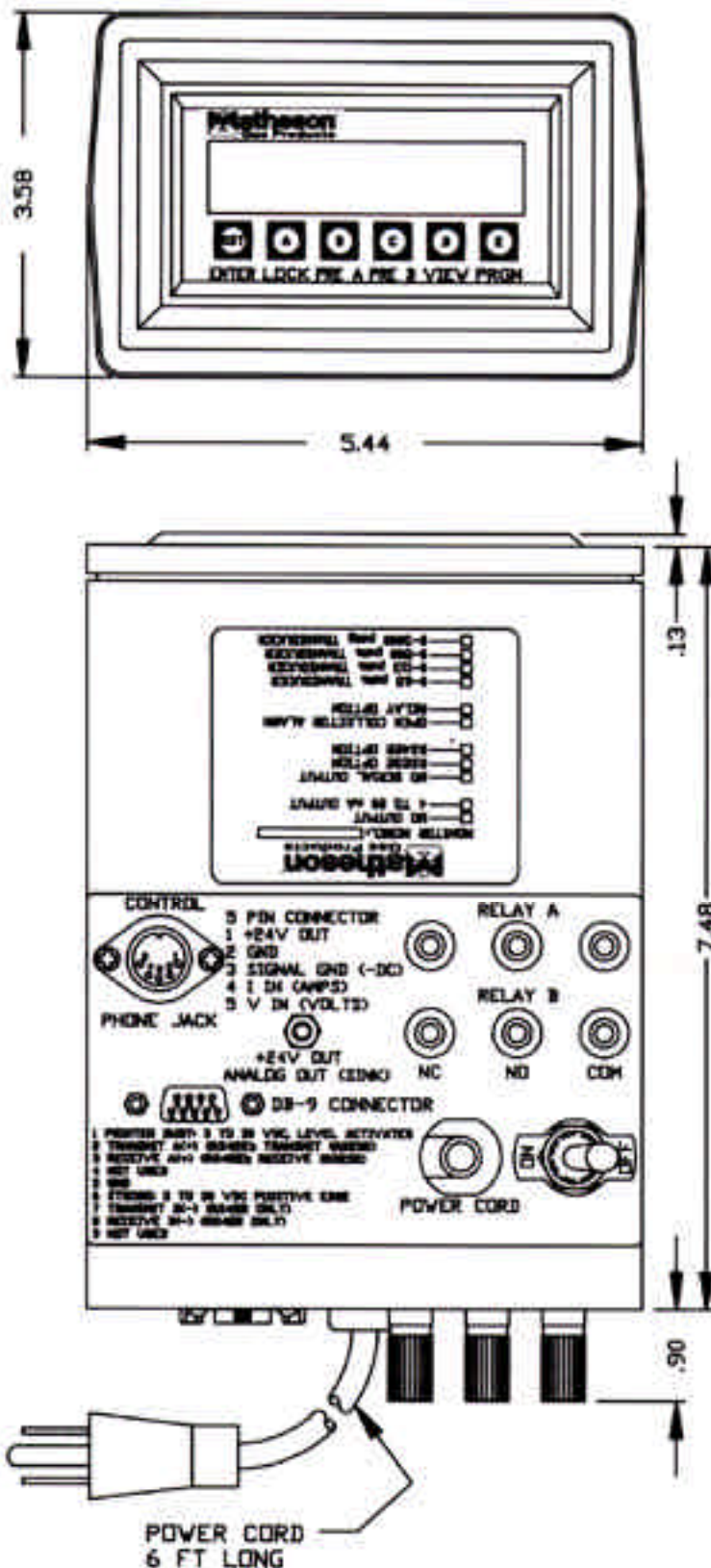
- Easy to use and program
- Selectable ranges allow versatility
- Can be installed in instrument panels
- Benchtop units ready to use
- 0.55" high LED provides good visibility

TYPICAL APPLICATIONS

The 8570 Series Process Monitor/Controller is used to measure pressure in process lines or compressed gas cylinders. A transducer provides a 1-6 V signal proportional to gauge or absolute pressure. Proportional scaling allows display in PSI, Bar or kPa. The adjustable setpoints provide low pressure alarm, depleted pressure alarm, or activate a switch-over control.



MODEL 8572

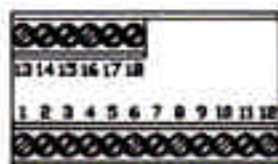
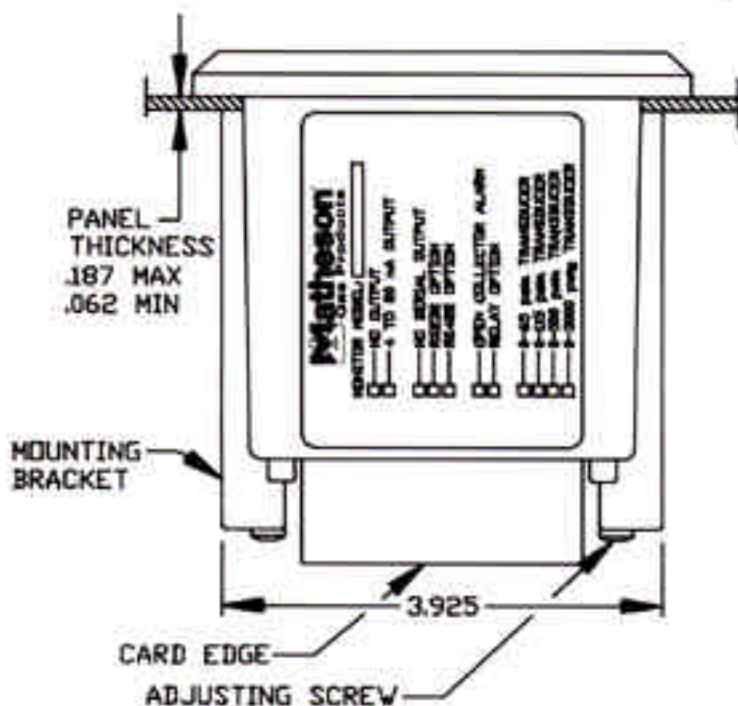
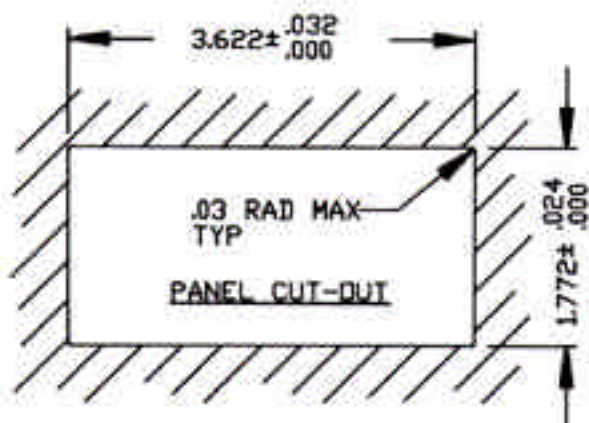
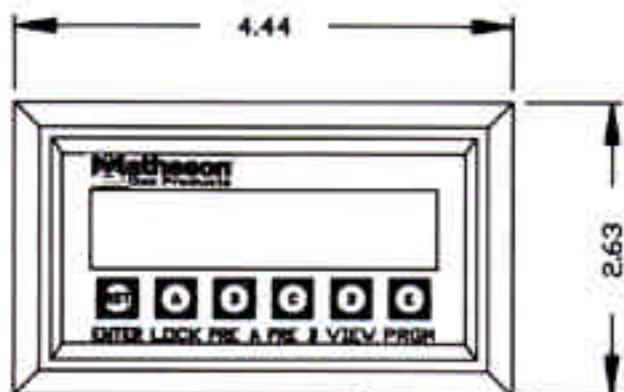


SPECIFICATIONS

- Input Power: 120 VAC $\pm$ 15%, 8.0 VA
50 mA over current protection
or 15 to 24 VDC, 300 mA
(8571 only)
- Output Power: +24 VDC at 50 mA
regulated +5%
- Temperature
Operating: +41°F (5°C) to +130°F
(+54°C)
Storage: 40°F (-40°C) to +200°F
(+93°C)
Stability: Max drift <20 ppm/°C from
0-54°C
- Memory: EEPROM stores data for
ten years
- Input: 0-20 mA, 4-20 mA, 0-5 V,
0-10 V, 1-5 V
- Calibration: Displayed engineering units are
front panel programmable
- Setpoints: Two programmable setpoints
control transistor or relay
outputs
- Control Outputs
Standard: 2 open collector sinks
250 mA from 30 VDC
Option: 2 form C SPDT 10 Amp
@120 VAC or 28 VDC
Option: 4-20 mA analog/proportional,
compliance voltage
3 to 24 VDC non-inductive
- Display: 4 1/2 digits (49999 to -9999),
0.55" high, 7 segment,
red-orange LED
- Accuracy: 1% of full scale
- Decimal Point: Front programmable.
- Range: 49999 unit max to -9999
unit min
- Refresh
Full range: 750 msec
Incremental: 250 msec nominal

All dimensions in inches

MODEL 8571



MONITOR BACK VIEW

- 1 RESET IN
 - 2 ANALOG OUT (SINK)
 - 3 SIGNAL GND (-DC)
 - 4 (CURRENT) +I IN
 - 5 (VOLTAGE) +V IN
 - 6 NOT USED
 - 7 +24V OUT
 - 8 PRESET B COLLECTOR
 - 9 PRESET A COLLECTOR
 - 10 +DC IN
 - 11 120 VAC
 - 12 120 VAC
 - 13 COMMON
 - 14 NC
 - 15 NO
 - 16 COMMON
 - 17 NC
 - 18 NO
- RELAY A
- RELAY B

All dimensions in inches

Models:	8	5	7	X	-	X	X	X
Process instrument				1				
Self contained process controller				2				
2 open collector outputs (standard)						0		
2 form C SPDT relays						1		
No serial output (standard)							0	
RS232 option							1	
RS422 option							2	
No proportional output (standard)								0
4-20 mA proportional output								1

CABLES AND CONNECTORS		
Description	Length	Model #
Transducer-monitor connector	25 ft.	8570-25
	50 ft.	8570-50
	100 ft.	8570-100
Monitor-alarm cable	25 ft.	8570A-25
	50 ft.	8570A-50
	100 ft.	8570A-100