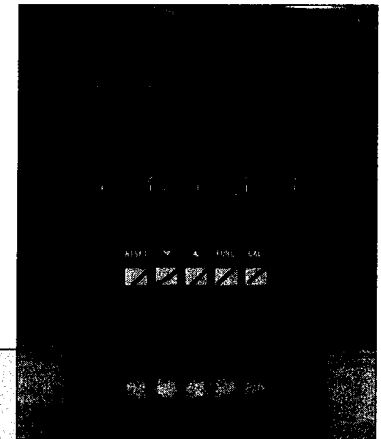


FEATURES

- 1/4 DIN
- Dual programmable alarms
- Fast, 100 ms response time
- Transducer disconnect detection
- Pushbutton calibration
- Selectable voltage or current auxiliary outputs
- Combination analog and digital LED displays
- Time-delay feature for alarms, digital display and analog outputs
- Auxiliary output zero suppression and range expansion



DESCRIPTION • The Model PR690 is a flexible, programmable indicator designed for 350 ohm strain gage based sensors such as pressure transducers and load cells. It incorporates both a digital display and an analog bar graph display. The span value, alarm set points and other constants are stored indefinitely in nonvolatile memory. Dual alarm setpoints are easily programmed from the front keyboard and displayed on the digital display. The LED bar graph shows the setpoint values in relation to full scale range and present input value. Programmable voltage or current retransmission outputs are standard for use as inputs to chart recorders or data logging equipment.

SPECIFICATIONS / PERFORMANCE

Power: 100 - 125 VAC or 200 - 250 VAC, 50/60 Hz
Regulation: 0.1% full scale maximum indication/output change for 10% line voltage change
Operating temperature range: 32°F - 120°F (0 - 50°C)
Weight: 2 lbs.

/ INPUTS

Type: 350 ohm strain gage bridge
Input sensitivity: 2 to 4 mV/V
Zero adjust range: $\pm 25\%$ full scale
Bridge excitation: 10 VDC $\pm 7\%$
Calibration: Provision included for calibration of transducers with shunt calibration values from 40 - 100%
Protection: Interrupt detection of any transducer lead

/ AUXILIARY OUTPUTS

Voltage output: 0 - 10 VDC 5000 ohm minimum load
Current output: 4 - 20 mA 1000 ohm maximum load, 0-20 mA 1000 ohm maximum load
Linearity: Less than 0.1% of full scale ± 1 digit
Response time: 100 milliseconds typical
Output noise: Less than 0.1% of full scale RMS

/ DIGITAL DISPLAY

Type: 5 digit 0.56 in. LED display
Ranges: User-programmable to 99900 units maximum
Resolution: Ranges to 1999 - 1 digit resolution, Ranges to 19,900 - 10 digit resolution, Ranges to 99,900 - 100 digit resolution
Engineering units (labels provided): PSI, kg/cm², bar, KPa, Pa, MPa, Kg, in. H₂O, in. Hg, mmHg, lb., %
Decimal point: User-programmable from keyboard
Display update: Every 400 ms
Filter: Averaging filter
Peak hold: High/low peak value reading from front of panel, peak reset from front panel or rear terminals
Setup prompts: Displays error conditions, over and under range conditions, A1/A2 low/high alarm setting, peak function on/off status, keyboard lock-out status, and transducer disconnect prompt

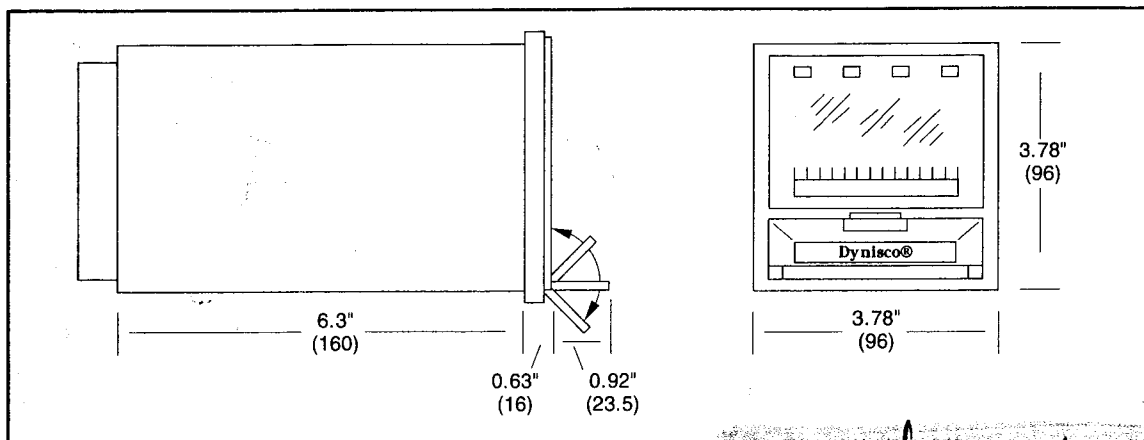
/ SERIAL COMMUNICATIONS OPTION

Type: RS-232C, RS-422 and RS-485
Communications: Bi-directional, half duplex
Baud rate: Adjustable from 150 to 19.2K
Transmission mode: Selectable (1) 8 bits, even parity; (2) 8 bits, odd parity; (3) 8 bits, no parity

• **TO ORDER, CALL 1-800-443-7654 OR FAX 1-800-835-6543** •

1/4 DIN Digital/Analog Pressure Indicator

Model μ PR690



Panel cutout

/ ALARMS

Type: 2 SPDT relays standard. Relays operate in failsafe mode, (In the event of power failure, relays go into alarm condition)

1 optional SPST

Relay contact rating: 2 A at 115 VAC or 230 VAC; 0.5 A at 24 VDC

Setpoint adjustment rating: 1 - 100% of full scale settable to display resolution

Hysteresis: 1.5% of full scale

Response time: 100 ms typical

Indication: Front panel A1/A2 LED illuminates to indicate alarm condition

Mode: Alarms low/high, auto/manual reset. Manual reset via front panel RESET key or via rear terminals

/ ANALOG DISPLAY

Type: 28 segment bar graph display. Displays continuous bar graph of pressure 0 - 100% full scale. Alarm setpoint values displayed.

Ordering Guide				
Base Model	Serial Communication Option		Other Options	
	Code	Option*	Code	Option** (Note 1)
μ PR690	SC232C	RS232C	A3	Third Alarm
	SC422	RS422		
	SC485	RS485		

Note: 1. Serial Communication Option includes third alarm

Ordering Example: μ PR690

PRICE AND DELIVERY	
μ PR690 - List Price	\$695
* Option - Add	\$230
** Option - Add	\$55
	<input type="checkbox"/> - Configurations available from stock.
	All other configurations, 2 week delivery.
	For additional delivery time on products with added options, see Options Section.

• FOR TECHNICAL ASSISTANCE CALL 1-800-DYNISCO (396-4726) •