

# ELLISON SENSORS Pressure Transducers

## Series PM1000 Plug In Transducer Display

### FEATURES

- Bright Red LED Display
- Indication Range -1999 to +1999
- Fits to DIN 43650 Connector
- Plugs on to any Transmitter with 4-20mA Output
- Easy to Scale In Situ
- Robust Design
- Set Point Option
- Intrinsically Safe Models



### DESCRIPTION

The PM1000 Series is universal plug-on LED display suitable for use with various transmitters having a 4-20mA output and fitted with DIN43650 connector. The Plug in display simply fits between the plug and socket on any DIN43650 connector, it is supplied from the 4-20mA current loop signal of the transmitter. No additional power is required. The unit is user programmable from two buttons behind the front panel enabling scaling, decimal point position and adjustment of the set point position. All are easily set through the menu steps outputted to the LED display and stored in an EEPROM, the programme is not lost in the event of power failure. The display can be rotated through 90° steps for use in different installation positions. The integral open-collector output on the PM1001 model allows the transmitter to be retrofitted easily with a limit contact set point, for use as an alarm or controller. Intrinsically safe models available certified to EEx ib IIC T4

### GENERAL SPECIFICATION

Display	3 ½ digit red LED, digit height 7mm programmable decimal point setting
Measurement Range	-1999 to +1999
Accuracy	0.2% of span +/-1 digit
Electrical Connection	To transmitter with 4-20mA output and right-angle plug DIN 43650 (4 pin) polarized
Sensor Supply	Not required, self-supplying from the 4-20mA loop
Allowed Current Load	Max 60mA
Voltage Drop	5V or less
Conversion Rate	300mS to 25.5 sec (Adjustable)
Open Collector Output	Type PM1001, PNP, max current load 90mA
Data Back Up	Non-volatile EEPROM
Error Message	Hi = Over range, Lo = Underflow
Programming	With 2 Keys, menu assisted, scaling of range, decimal point, damping, error message etc
Housing	Plastic ABS – IP65
Operating Temperature	-10° C to +60° C

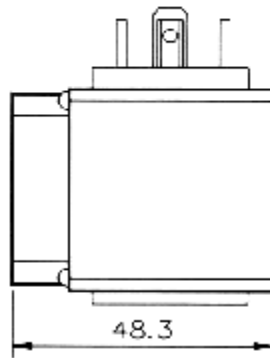
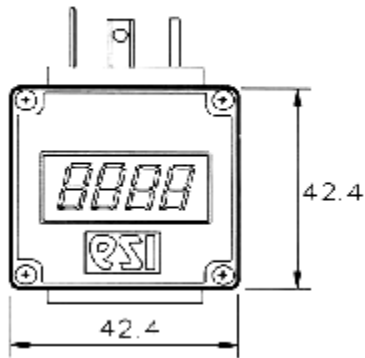
## OCEAN CONTROLS

4 FERGUSON DRIVE  
BALNARRING VIC. 3926  
PHONE: (03) 5983.1163, FAX: (03) 5983.1120  
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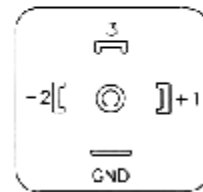
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### DIMENSIONS & ELECTRICAL CONNECTIONS



Supply =PIN 1  
 Signal =PIN 2  
 Switching output =PIN 3

Connect PIN 1 and PIN 3 for devices with open-collector output.



### ORDERING INSTRUCTIONS

MODEL NUMBER	DESCRIPTION
PM1000	Standard Plug-On Display
PM1001	Plug-On Display with Set Point
PM1002	Intrinsically Safe Model EEx ib IIC T4

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