



IP144

Melt Pressure Indicator

strain gauge input

Product Introduction

The GT Heaters IP144 Melt Pressure Indicator with strain gauge input and dual 4 digit display offers simplicity of operation. The IP144 is available with up to two programmable alarms, 4-20mA or 0-10Vdc process value re-transmission, and MODbus communications.

The IP144 Melt Pressure Indicator offers front panel buttons for programming with 4 LED beacons for alarm indication and communications. The IP144 Melt Pressure Indicator is a 1/4 DIN (96 x 96 mm) package with a large 0.5 inch LED display for melt pressure indication. The lower 0.4 inch display indicates alarm SP values.

Features

- 350 Ohm strain gauge input
- front panel pushbutton programming
- dual 4 digit display
- built-in transducer excitation voltage
- MODBUS communications option

Benefits

- direct accurate pressure readings
- easy to use
- analog re-transmission
- save panel space with the compact size
- one level of password protection

Specifications

Performance Characteristics

Type: microprocessor based panel meter

Display: dual 4 digit, PV=0.5", SV=0.4"

Beacons: 4 LED's, OUT, AL1, AL2, CAE

Termination: 16 screw terminals on rear

Dimensions: 1/4 DIN (46 H x 96 W x 100 D)

Accuracy: +/-0.25% of full scale with shunt calibration

Sampling Time: 100ms typical

Operating Temperature: 0°C - 55°C

Retransmission: 4-20 mA or 0-10Vdc

Zero Balance: +/- 25% of full range

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Electrical

Input: one 350 Ohm strain gauge bridge sensor

Bridge Excitation: 9 Vdc

Sensitivity: 2-4 mv/Volt

Input Power: 100-240 Vac universal

Calibration: with shunt resistor

Alarms: up to two

Alarm Type: High or Low setpoints

Main Alarm Output: 1 SPDT, NO and NC

2nd Alarm Output: 1 SPST, NO or NC

Retransmission: 4-20 mA or 0-10Vdc

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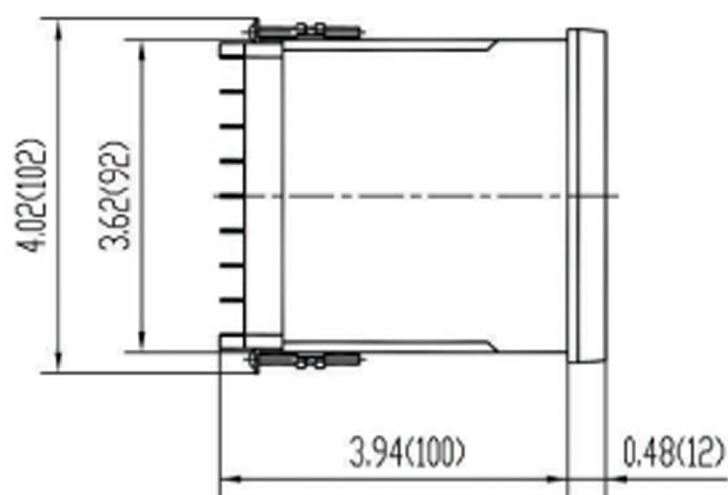
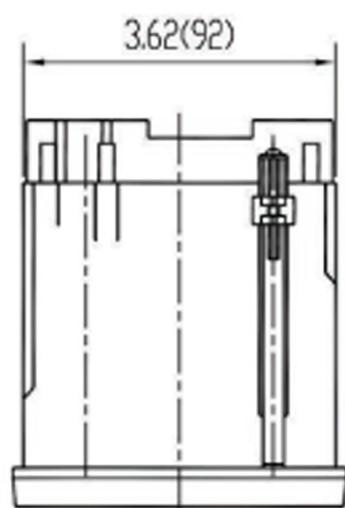
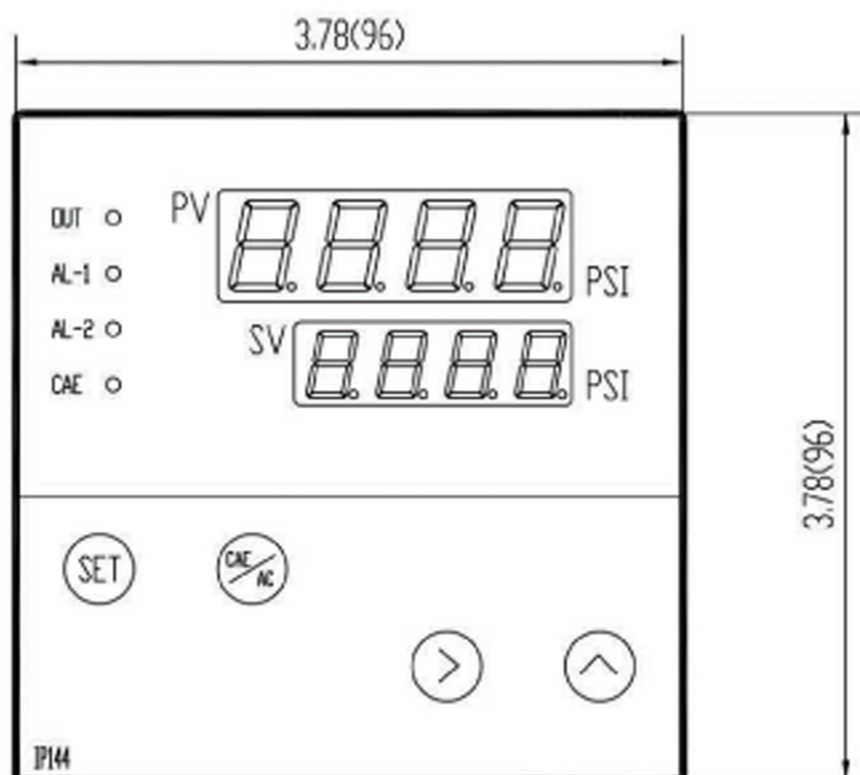
Melt Pressure Indicator

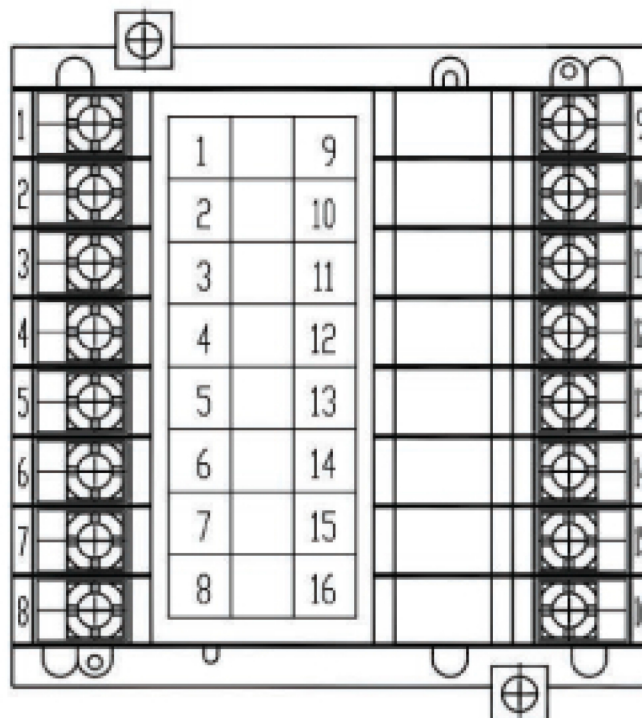
strain gauge input

Ordering Guide

<u>Model Number</u>	<u>Style</u>
IP144	1/4 DIN panel mount (96 X 96mm)
<u>Alarms</u>	
-1	1 alarm
-2	2 alarms
<u>Retransmission</u>	
O	no retransmission signal
R	4-20 mA - standard
V	0 - 10 Vdc
<u>Options</u>	
-W	24 Vdc power supply
-C	MODBUS communications







1	Signal + (Red)		Alarm 1 N/D	9
2	EXC + (White)	(EXC=Excitation)	Alarm 1 Common	10
3	Signal - (Black)		Main OUT N/C	11
4	EXC - & CAL1 (Green & Blue)		Main OUT Common	12
5	CAL2 (Orange)	(CAL=Calibration)	Main OUT N/D	13
6	Shield		VAC 100/240	14
7	Re-trans mA+	+A (RS485)	LN	15
8	Re-trans mA-	-B (RS485)	Ground	16