

PMT-555 Series

Process Monitor and Totalizer from Analog Inputs

Features

- Large keys allow easy operation and programming
- Display Hold or reset input for the totalizer or for the limit values
- Key lock input
- Programmable 24 point linearization
- Integration function (totalizer) for the integration (sum calculation) of the measured values (e.g. throughput measurement => Fill-up level) with own scaling and programmable input threshold
- RS-232, RS-422, RS-485 Option
- Current or voltage input



COUNTERS/RATEMETERS

- 2 setpoints with programmable hysteresis and 2 relays or optocoupler outputs
- 10 VDC and/or 24 VDC output power supply

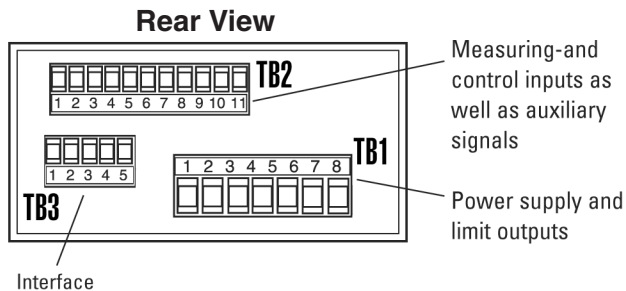
Description:

The PMT-555 process monitor/totalizer is ideal for applications that require an LED process/totalizer display from voltage or current inputs. The unit can accept 4-20mA, 0-20mA, 0-10V, 2-10V or -10 - +10V signals. Two assignable set points are standard.

Specifications:

Supply voltage:	10 to 30 V DC, galvanically isolated with reverse polarity protection 90 to 260 V AC 50/60 Hz mains hum suppression	Current input:	0-20 mA, 4- 20 mA voltage drop max. 2 V limit 50 mA
Power consumption:	max. 2 W/6 VA	Voltage input:	0-10 V, 2-10 V, (-)10 - (+)10 V limit ± 30 V input resistance > 1 M Ω
Display:	5-digit , red 7-segment LED's height 14 mm	Control inputs:	High: 4-30 V DC Low: 0-2 V DC
Measuring rate:	1 measurement/second	Resolution:	14 bits
Data backup:	EEPROM	Accuracy:	< 0.1 % ± 1 digit at 20 °C, automatic null balance
Housing:	housing for control panel 96 x 48 mm acc. to DIN 43 700; RAL 7021, dark grey	DC output:	10 V DC $\pm 2\%$, 30 mA(DC powered units) 10 V DC $\pm 2\%$, 30 mA and 24 V DC $\pm 15\%$, 50 mA (AC powered units)
Ambient temperature:	-10 to +50°C	Outputs:	2 Form C Relays max. 300 V DC/250 V AC current: max. 3 A, min. 30 mA DC or optocoupler output, NPN 30 V, 15 mA
EMC:	according to EC EMC directive 89/36/EEC		
Interference emissions:	EN 50081-2/EN 55 011 Class B		
Interference resistance:	EN 6100-6-2		
Protection:	IP65 (front)		
Weight:	app. 190 g		

Wiring Connections



TB1 Measurement Inputs

Pin	Description	Pin	Description
1	Current input 0 ... 20 mA, 4 ... 20 mA	7	Reference ground control inputs
2	Analog GND	8	Display-Hold/Reset input
3	Voltage input 0 ... 10 V, 2 ... 10 V -10 ... 10 V	9	Auxiliary voltage GND
4	n.c.	10	+10 V DC, 30 mA auxiliary voltage
5	n.c.	11	+24 V DC, 50 mA auxiliary voltage only for AC version
6	"Key" key lock		

TB2 Supply Voltage and Outputs

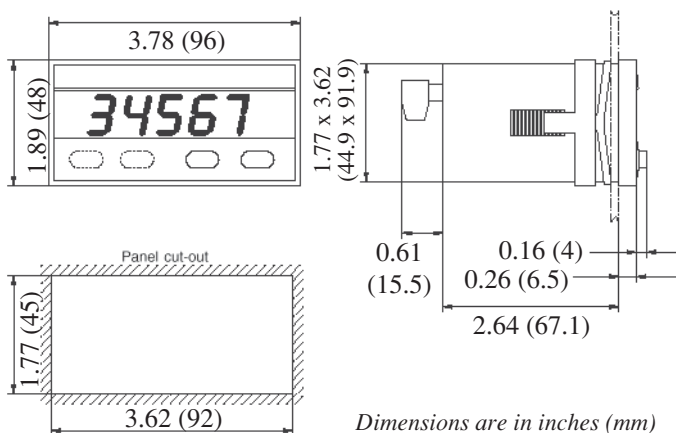
Pin	Relays output	Optocoupler Output (PNP)	Output
1	common (C)	Emitter	2
2	norm. open (NO)	Collector	
3	norm. closed (NC)	Collector	
4	common (C)	Emitter	1
5	norm. open (NO)	n.c.	
6	norm. closed (NC)	Collector	

Pin	DC version	AC version
7	10 ... 30 V DC	90 ... 260 V AC
8	0 V DC (GND)	90 ... 260 V AC

TB3 Serial Interface

	RS232	RS485	RS422
1	GND	-	-
2	RxD	DO+/RI+	RI+
3	TxD	DO-/RI-	RI-
4	-	-	DO+
5	-	-	DO-

Dimensions



Order Code

Example: PMT555.01 0 00

Series: _____

PMT-555 = Process Monitor & Totalizer
w/ 2 Presets/Relays

Operating Voltage: _____

0 = 90 to 260 VAC
3 = 10 to 30 VDC

Options: _____

00 = without interface
05 = RS232
06 = RS422
07 = RS485