

# Economy Panelmeter EP9648

Weight : max. 390 g  
 Connection : clamp terminals, 0.08..1.5 mm<sup>2</sup>  
 AWG28..AWG14  
 Protection class : front IP65, terminals IP20 acc. to BGV A3



- Multipurpose input for 0/4..20 mA, 0..10 V and Pt100
- LED-Display 14,2 mm red, yellow, green or blue or 20,3 mm red
- Indicating range and decimal point free programmable
- Programmable display time

## Characteristics

The Economy Panelmeter EP9648 is a technical advancement of the DP9648. With universal input conditions and easy programming the Panelmeter receive a powerful instrument for monitoring, measurement and control applications. As highlight the device offers a self acting display brightness. A built-in photo sensor controls the ambient brightness and corrects the display brightness.

## Technical data

### Power supply

Supply voltage : 230 / 115 V AC 50/60 Hz  $\pm 10\%$   
 or 24 V DC  $\pm 20\%$

Power consumption: 3 VA

Working temp. : -10..+60 °C

CE-conformity : EN 61326-1:2013; EN 60664-1:2007

### Input

Current : 0/4..20 mA, Ri 10  $\Omega$ , overload max. 3-times

Voltage : 0..10 V, Ri 100 k $\Omega$ , overload max. 3-times

Pt100 : -100..400 °C  
 sensor current < 1 mA (low self heating)

Accuracy : voltage/current  $\pm 0.1\%$ ,  $\pm 1$  digit;  
 Pt100  $\pm 0.2$  °C,  $\pm 1$  digit

Display : LED 14.2 mm yellow, green, blue  
 or 20.3mm red

Indicating range : -1999..2000 Digit

Decimal point : programmable

Overflow indication : "-1999" or "9999",  
 flashing with 2 Hz

Display brightness : programmable from 2..100 %,  
 with photo sensor (only display red, optional)

### Analog output

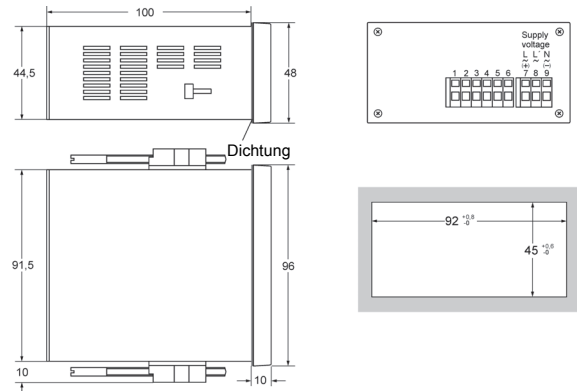
Voltage : 0..10 V DC, linearized,  
 short circuit proof max. 5 mA

Accuracy : 0.1 %

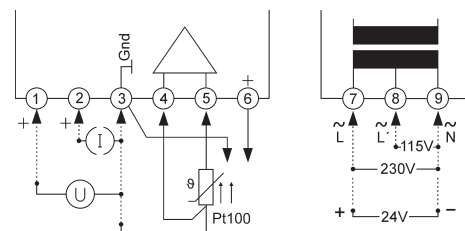
Case : panel case DIN 96x48 mm,  
 material PA6-GF; UL94V-0

Dimensions : front 96x48 mm, mounting depth 100mm

## Dimensions



## Connection diagram



## Ordering code

EP9648 -  1. -  2. -  3. -  4. -  5. -  6.

1. Display		
1	LED red	14.2 mm
3	LED red	20.3 mm
4	LED yellow	14.2 mm
6	LED green	14.2 mm
8	LED blue	14.2 mm
2. Model		
15	Industry standard signal	
	0/4..20 mA, 0..10 V DC and Pt100	
3. Supply voltage		
0	230 V AC $\pm 10\%$ 50-60Hz	
5	24 V DC $\pm 20\%$	
4. Options		
00	without option	
07	self acting display brightness (only display LED red 1 and 3)	
5. Unit appears in the unit field		
6. Additional text above the display (3x90 mm HxW)		