

Product Information

Economy Panelmeter EP9648

Weight : max. 390 g
 Connection : clamp terminals, 0.08..1.5 mm²
 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 ±10 %
 or 24 V DC ± 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 Ω, overload max. 3-times
 Voltage : 0..10 V, Ri 100 kΩ, overload max. 3-times
 Pt100 : -100..400 °C
 sensor current < 1 mA (low self heating)

Accuracy
 : voltage/current ± 0.1 %, ± 1 digit;
 Pt100 ± 0.2 °C, ± 1 digit

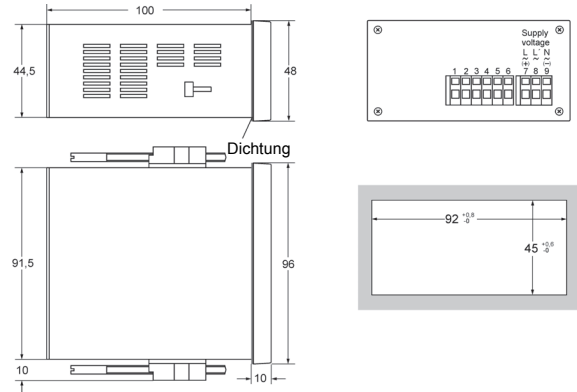
Display
 : LED 14.2 mm yellow, green, blue
 or 20.3mm red

Indicating range : -1999..2000 Digit
Decimal point : programmable
Overflow indication : "-1999" or "9999" ,
 flashing with 2 Hz

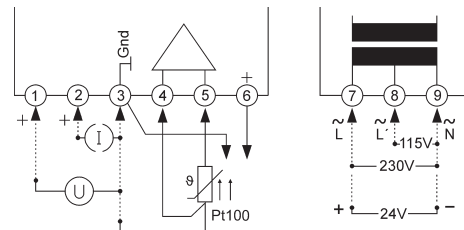
Display brightness : programmable from 2..100 %,
 with photo sensor (only display red, optional)

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 ±10 % 50-60Hz	
5	24 V DC ±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)		