**Produktinformation**

# Temperature Panelmeter T9648




- Measuring input for Pt100, Pt1000 or Thermocouple
- LED-Display 14.2 mm red
- Max. 4 alarm outputs relay SPDT or transistor

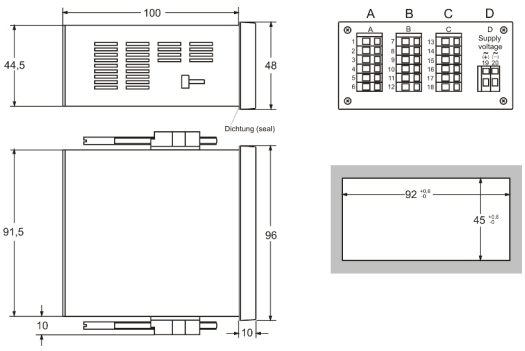
## Characteristics

The Temperature Panelmeter T9648 is suitable for measurement of temperatures in connection with RTD sensors Pt100, Pt1000 and thermocouples Fe-CuNi (J), NiCr-Ni (K), Pt10Rh-Pt (S). Devices for other temperature sensors are available on request . The measuring input is isolated. The measuring range can be limited in the configuration level. It is identical with the range of the analog output.

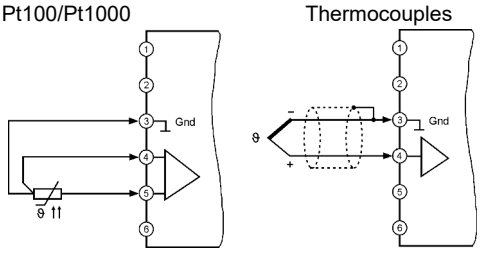
## Technical data

**Power supply**
Supply voltage : 230 V AC ±10 %; 115 V AC ±10 %; 24 V AC ±10 % or 24 V DC ±15 %
Power consumption : max. 3.5 VA, with analog output 5 VA
Operating temp. : -10..+55 °C
Conformity : CE
**Input**
Pt100 : -100..+600 °C
Pt1000 : -50..+200 °C
Accuracy : Pt100 or Pt1000 < 0.1 % ± 2 Digit, max. 100 Ohm line resistance
Thermocouple : Fe-CuNi (J) 0..+800 °C, NiCr-Ni (K) 0..+1200 °C Pt10Rh-Pt (S) 0..+1600 °C built-in cold junction
Accuracy : < 0,1 % ± 2 Digit with compensating line
**Display** : LED red, 14.2 mm
Indicating range : ±9999(0) Digit
Parameter display : LED 2-digit red, 7 mm (parameter - and output indicator)
**Output**
Relay SPDT : < 250 V AC < 250 VA < 2 A, < 300 V DC < 50 W < 2 A
Transistor : max. 35 V AC/DC, 100 mA, short circuit protected
Analog output : 0/4..20 mA burden ≤ 500 Ω; 0/2..10 V burden > 500 Ω, isolated automatic output changing (burden depending)
- Accuracy : 0.1 %; TK 0.01 %/K
**Case** : panel case DIN 96x48 mm, material PA6-GF; UL94V-0
Dimensions : front 96x48 mm, mounting depth 100 mm
Weight : max. 390 g
Connection : clamp terminals, 0.08..1.5 mm² AWG28..AWG14
Protection class : front IP65, terminals IP20 acc. to BGV A3

## Dimensions




## Connection diagram




## Order code

T9648 - 1. - 2. - 3. - 4. - 5. - 6. - 7.

| | | |
|---|---|---|
| **1.** | **Terminal strip A** | |
| | 1 | input Pt100 |
| | 3 | input Pt1000 |
| | 5 | input thermocouple |
| **2.** | **Terminal strip B** | |
| | 00 | not installed |
| | 2R | 2 relay outputs |
| | 2T | 2 electronic outputs |
| | T1* | 2nd input Pt100 |
| | T3* | 2nd input Pt1000 |
| **3.** | **Terminal strip C** | |
| | 00 | not installed |
| | 2R | 2 relay outputs |
| | 2T | 2 electronic outputs |
| | AO | analog output 0/4..20 mA, 0/2..10 V |
| **4.** | **Terminal strip D; supply voltage** | |
| | 0 | 230 V AC ±10 % 50-60Hz |
| | 1 | 115 V AC ±10 % 50-60Hz |
| | 4 | 24 V AC ±10 % 50-60Hz |
| | 5 | 24 V DC ±15 % |
| **5.** | **Options** | |
| | 00 | without option |
| | 01 | min-and max-peak hold |
| | 02 | difference-, average-, larger-, smaller value |
| | 07 | display brightness programmable |
| **6.** | **Unit** (appears in the unit field) | |
| **7.** | **Additional text** placed above the display (3x90 mm HxW) | |

*In connection with terminal strip A, only Pt100 or Pt1000; Pt100 and Pt1000 can not be mixed. Not isolated to terminal strip A. Input ranges of Input 1 and 2 have to be the same. Only available with option 02.



https://www.ibericadeautomatismos.com/producto/t9648-1-3-5-indicador-de-temperatura-para-panel/