TM JK-P7A

VM623600



Digital panel thermometer (72x72) for medium and high temperature measurement in applications such as ovens and burners. The device can be connected to type J, K, L, R, S, T, E, and N thermocouples.

General features

- Automatic cold junction compensation
- Possibility of viewing minimum and maximum temperature values
- Possibility of adjusting probe calibration OFFSET
- Possibility of changing the temperature unit between °C and °F
- Possibility of adjusting update speed for measurement display
- Possibility of setting an access password to protect stored settings
- Acoustic and visual alarm signalling for probe malfunction or disconnected sensor cable

Technical specifications

Power supply	
Power supply	24 / 230 Vac (-10% ÷ +10%)
Frequency	50 / 60 Hz
Absorption	4.5 VA
Measure	
Temperature display resolution	0.1 (for values in the range -9.9 ÷ 99.9) °C 1 (for values <-9,9 and > 99.9) °C
Temperature measurement accuracy	± 0.5 % of full scale value ± 1 digit °C
Functions	
Probe alarm buzzer	✓
Functional characteristics	
Temperature display range	-99 ÷ 1600 °C
Operating conditions	
Operating temperature range	0 ÷ 50 °C
Relative humidity	< 80% RH
Storage temperature range	-25 ÷ 70 °C
Storage humidity range	< 80% RH

Vemer S.p.A. declines all responsibility for the use of the products for purposes other than those for which they are intended, as indicated in the technical documentation. Vemer S.p.A. reserves the right to make, without prior notice, such changes as may, in its sole discretion, improve the technical and functional characteristics of the products and the related production logic. The technical characteristics and images of the products indicated are given for information only and are not binding in any way, since they may be modified without prior notice.

Revision date: 2026-02-02

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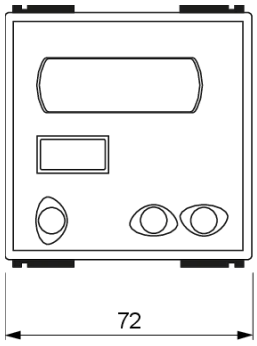
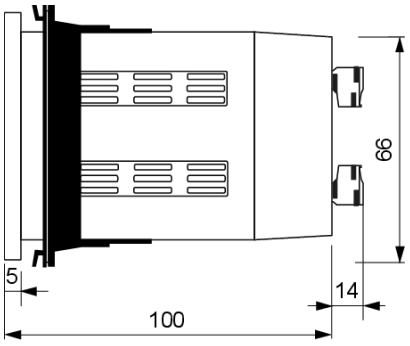
Viewing	
Display	Red LEDs
Digits number	4
Digits size	14 mm
Display range	-99 ÷ 1600 °C
Inputs	
Number of connectable probes	1
Type of connectable probes	J (Fe-CuNi) K (NiCr-Ni) L (Fe-CuNi) R (Pt13Rh-Pt) S (Pt10Rh-Pt) T (Cu-CuNi) E (NiCr-CuNi) N (NiCrSi-NiSi)
Mechanical features	
Protection degree	IP54 (on the front) IP20 (on terminals)
Overall dimensions	
Height (A)	72 mm
Width (B)	72 mm
Depth (C)	114 mm

Dimensions

Front View



Side View



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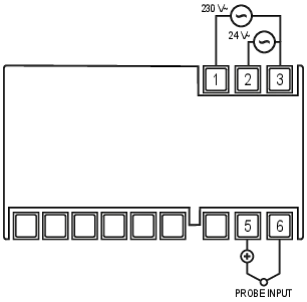
Wiring diagram



Probe input:

- TC

Accessories compatible with the product

Fe-Co (J)

VJ44330000

2-wire J-type thermocouple for temperature detection, length 3 m

Cr-Al (K)

VJ44410000

2-wire type K thermocouple for temperature detection, length 3 m

Cr-Al 1200 (K)

VJ44900000

2-wire type K thermocouple for temperature detection, length 3 m

Reference standards

Compliance with Community Directives:

• 2014/35/UE (LVD) • 2014/30/UE (EMCD) • 2011/65/UE e 2015/863/UE (ROHS)

is declared with reference to the following Standards:

• EN IEC 60730-2-9 • EN IEC 63000

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