TM NiPt-P3D

VM620200



Digital panel thermometer (33x75) for temperature measurement in applications such as ovens, refrigerated counters and ambient temperature monitoring. The device can be connected to Ni100 and Pt100 resistance temperature detectors.

General features

- Probe setting via programming
- 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	12 ÷ 24 Vac/Vdc (-10% ÷ +10%)
Frequency	50 / 60 Hz
Absorption	3 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 to 800 (with Pt100 probes) °C -60 ÷ 180 (with Ni100 probes) °C
Operating conditions	
Operating temperature range	0 ÷ 50 °C
Relative humidity	< 80% RH
Storage temperature range	-25 ÷ 70 °C
Viewing	
Display	Red LEDs
Digits number	3
Digits size	7.6 mm
Display range	-99 ÷ 800 °C

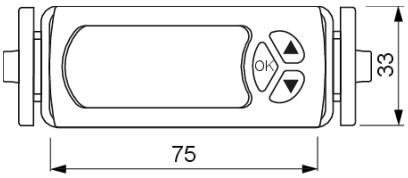
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Revision date: 2026-02-02

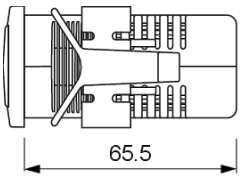
Inputs	
Digital input	✓
No. digital inputs	1
Number of connectable probes	1
Type of connectable probes	Ni 100 Pt 100 (2 or 3 wires)
Mechanical features	
Protection degree	IP54 (on the front) IP20 (on terminals)
Overall dimensions	
Height (A)	33 mm
Width (B)	75 mm
Depth (C)	65.5 mm

Dimensions

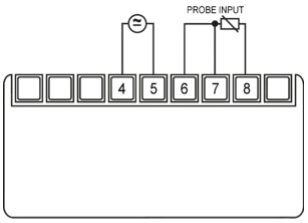
Front View



Side View

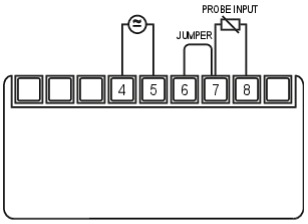


Wiring diagram



3-wire probe input:

- Pt 100
- Ni 100



2-wire probe input:

- Pt 100
- Ni 100

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Accessories compatible with the product

Pt 100 EC

VE122800

Pt100 EC RTD sensor, Platinum, 2-wire, for temperature measurement, 1.5 m length

Pt 100

VJ44250000

Pt100 RTD sensor, Platinum, 3-wire, for temperature measurement, 3 m length

Pt 100 10MT

VJ44250010

Pt100 RTD sensor, Platinum, 3-wire, for temperature measurement, 10 m length

Pt 1000

VJ44660000

Pt1000 RTD sensor, Platinum, 3-wire, for temperature measurement, 1.5 m length

Pt 100 E

VN879300

Pt 100 E length 1.5 m

Ni 100

VJ44170000

Ni100 RTD sensor, Nickel, 3-wire, for temperature measurement, 3 m length

TM3 230/12

VE256400

Transformer with 230 Vac terminals, 3 VA power and 12 V secondary voltage

TM3 115/12

VE257200

Transformer with 115 Vac terminals, 3 VA power and 12 V secondary voltage

TM3 230/24

VE258000

Transformer with 230 Vac terminals, 3 VA power and 24 V secondary voltage

TM3 115/24

VE259800

Transformer with 115 Vac terminals, 3 VA power and 24 V secondary voltage

TM6 230/12

VE260600

Transformer with 230 Vac terminals, 6 VA power and 12 V secondary voltage

TM6 230/24

VE261400

Transformer with 230 Vac terminals, 6 VA power and 24 V secondary voltage

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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