

Multiview



DATA gg / mm / aa
ORA hh : mm : ss

CH1	37,05 °C	▲ 37,05 °C ▼ 12,2 °C	😊	🔖
CH2	37,07 °C	▲ 37,05 °C ▼ 12,2 °C		+0,02
CH3	37,00 °C	▲ 37,05 °C ▼ 12,2 °C	😊	-0,05
CH4	37,09 °C	▲ 37,05 °C ▼ 12,2 °C		+0,04

HOLD

125



MIN-MAX

HOLD
long press

✓ OK
SETUP

input

↶ ESC

Thermometer

Digital Portable Thermometer TM-21 and TM-26

Phoenix Instrument is proud to announce the introduction of a complete and interesting range of digital portable thermometers and probes. The models TM-21, TM-26 and TM-28 are designed to offer the best performance combined with a simple and intuitive user interface. Depending on the model, either PT100, NTC30K, or thermocouples can be connected.



2 years warranty

TM-21-NTC • TM-21-PT • TM-21-K/T

- Portable thermometer with backlit color display
- Recording of minimum and maximum values, measurement stability display
- Suitable for PT100, NTC30K, or type K and T thermocouples
- Single-point calibration with display of the correction made
- Hold function, min/max, and automatic shutdown after 20 minutes
- Simple and intuitive operation
- IP 56
- Carrying case and batteries included

TM-21-NTC

Available Sets

- | | |
|-------------|---|
| TM-21-PT 0 | Kit for PT 100 sensors, including case, without sensor |
| TM-21-NTC 0 | Kit for NTC sensors, including case, without sensor |
| TM-21-NTC 1 | Kit for NTC sensors, including TM-122 (penetration) and case |
| TM-21-NTC 2 | Kit for NTC sensors, including TM-142 (liquids and air) and case |
| TM-21-KT 0 | Kit for thermocouple K/T sensors, including case, without sensor |
| TM-26-PT 0 | Kit for PT 100 sensors, including case and USB power supply, without sensor |

Accessory

- | | |
|--------|--|
| TM-300 | Magnetic holder for TM-21, TM-26 and TM-28 |
|--------|--|

Digital Portable Thermometer TM-21 and TM-26



2 years warranty

Additional features on the TM-26

- Two separate measurement channels are available for PT100
- USB interface
- Manual and automatic storage of up to 1000 data sets (temperature and time)
- GLP-compliant measurement possible



TM-26-PT

Offset Settings

Technical data	TM-21-NTC	TM-21-PT	TM-21-KT	TM-26-PT
Sensor	NTC-30K	PT 100	Thermoelement Type K and T	PT 100
Measuring range	-50.0 ... +150.0 °C	-200.0 ... +999.0 °C	K: -200 ... +1.350 °C T: -250 ... +400 °C	-200.0 ... +999.0 °C
Resolution	0.1 °C	0,1 °C (-99,9 ... +199,9 °C)		0,01 °C
Accuracy	0.2 °C	±0.2 °C (-99,9 ... +199,9 °C) ±2 °C in the remaining meas. Range	±0.1% from meas. value ±0.4 °C (> -150 °C) ±0.25% from meas. value ±1 °C (< -150 °C)	±0.03 °C (-99,99 ... +99,9 °C) ±0.1 °C (-200,0 ... -100,0 °C)
Measurement channels	1			2
Interface	no			USB
Datenlogger	no			1000 data
Display	High resolution backlit LCD-Colordisplay			
Operating conditions	T: 0 ... +60 °C UR: < 95 %			
Dimensions / Weight	85 x 184 x 45 mm / 0.4 Kg			
IP class	IP 56			
Power supply	Battery			Battery / USB-Power supply

Digital Portable Thermometer TM-28-PT

The new TM-28-PT offers the possibility to measure the temperature with four PT100 sensors simultaneously and to store it using the large internal data logger. The current 4 measured values are displayed in parallel on the 4" graphic display. All data can be conveniently transferred to a PC via the USB interface.



TM-28-PT

- GLP-compliant, portable thermometer 4 x PT100 inputs, resolution 0.01 °C
- High-resolution 4-inch color display for all lighting conditions
- Intuitive user interface in ITA - ENG - ESP - FR - DE
- Data logger for up to 190,000 data records with date and time
- Different memory modes
- DataLink+ software available for free download
- Optical and visual alarm function
- ID entry for each channel
- 1-point calibration for each channel
- 4-digit password to protect data and calibrations



DataLink+



4 x PT100-Input / USB

3 years warranty

Available Sets

- TM-28-PT 0** Kit for PT 100 sensors, including case and USB power supply, without sensor
- TM-28-PT 1** Kit for PT 100 sensors, including 4 x TM-252, case, and USB power supply

Accessory

- TM-300** Magnetic holder for TM-21, TM-26 and TM-28

Technical data	TM-28-PT
Sensor input	4 x PT-100
Measuring range	-200.0...+999.9 °C
Resolution	0.01 °C
Accuracy	±0.03 °C (-99.99 ... +99.9 °C) ±0.1 °C (+100.0 ... +999.9 °C) ±0.1 °C (-200.0 ... -100.0 °C)
Measurement channels	4
Interface	USB
Data logger	190,000 data
Display	4" Color graphic display
Operating conditions	T: 0 ... +60 °C UR: < 95 %
Dimensions / Weight	85 x 184 x 45 mm / 0.4 Kg
IP class	IP 56
Power supply	Battery / USB-power supply

PT-100 Sensor for TM-21-PT, -26-PT, -28-PT

	Meas. range	Lenght	Diameter	Accuracy class	Application	Handle / Cable
TM-202	- 50 ... +400	200 mm	3 mm	A	Liquids and Air	yes / 1.5 m
TM-212	- 50 ... +400	200 mm	5 mm	A	Contact	yes / 1.5 m
TM-222	- 50 ... +400	150 mm	4 mm	A	Penetration	yes / 1.5 m
TM-232	- 50 ... +250	200 mm	4 mm	A	Air	yes / 1.5 m
TM-242	- 50 ... +400	200 mm	3 mm	1/5 DIN	1/5 DIN	yes / 1.5 m
TM-252	-100... +300	100 mm	4 mm	A	Fridge u. Oven	no / 3 m
TM-262	- 50 ... +400	500 mm	6 mm	A	Liquids and Air	yes / 1.5 m
TM-272	- 50 ... +400	1,000 mm	6 mm	A	Liquids and Air	yes / 1.5 m
TM-292	-100... +300	100 mm	4 mm	1/5 DIN	1/5 DIN	no / 3 m

NTC 30K Sensor for TM-21-NTC

	Meas. range	Lenght	Diameter	Accuracy class	Application	Handle / Cable
TM-142	- 50 ... +150	200 mm	3 mm		Liquids and Air	Handle
TM-122	- 50 ... +150	150 mm	4 mm		Einstich	Handle

Thermocouple K Sensor TM-21-KT

	Meas. range	Lenght	Diameter	Accuracy class	Application	Handle / Cable
TM-752	- 60 ... +600	200 mm	2 mm	1	Liquids and Air	yes / 1.5 m
TM-762	- 60 ... +800	200 mm	3 mm	1	Liquids	yes / 1.5 m
TM-772	- 60 ... +800	500 mm	3 mm	1	Liquids and Air	yes / 1.5 m
TM-782	- 60 ... +1100	1000 mm	6 mm	1	High Temperature	yes / 1.5 m
TM-792	- 60 ... +1100	500 mm	6 mm	1	High Temperature	yes / 1.5 m
TM-802	- 60 ... +600	200 mm	5 mm	1	Contact	yes / 1.5 m
TM-812	- 60 ... +400	2000 mm	2 mm	1	Installation	no / 2 m
TM-822	- 60 ... +1100	1,200 mm	6 mm	1	High Temperature	yes / 1.5 m
TM-832	- 50 ... +600	150 mm	4 mm	1	Penetration	yes / 1.5 m

Thermocouple T Sensor for TM-21 KT

	Meas. range	Lenght	Diameter	Accuracy class	Application	Handle / Cable
TM-902	- 50 ... +350	200 mm	3 mm	1	Liquids and Air	yes / 1.5 m
TM-912	- 50 ... +350	150 mm	4 mm	1	Penetration	yes / 1.5 m
TM-922	- 50 ... +350	200 mm	5 mm	1	Contact	yes / 1.5 m
TM-932	- 50 ... +250	200 mm	4 mm	1	Air	yes / 1.5 m
TM-942	- 50 ... +350	150 mm	2 mm	1	Penetration	yes / 1.5 m
TM-952	- 50 ... +300	100 mm	2.5 mm	1	Liquids and Air	no / 2 m

Visit our website
www.Phoenix-Instrument.de

Multiview



DATA gg / mm / aa
ORA hh : mm : ss

CH1 37,05 °C

▲ 37,05 °C
▼ 12,2 °C



CH2 37,07 °C

▲ 37,05 °C
▼ 12,2 °C

+0,02

CH3 37,00 °C

▲ 37,05 °C
▼ 12,2 °C



-0,05

CH4 37,09 °C

▲ 37,05 °C
▼ 12,2 °C

+0,04

HOLD

125

