

THERMOPALM TP22

For HVAC technicians, the pharmaceutical industry, building management systems, the paper industry, research and many others.

Highlights and common features

- Probe interchangeable in just a few seconds
- Temperature measurement with Pt100 probes in 4-wire circuit
- Electronics operating range -40...60 °C; -10...60 °C with LCD, 0...100 %rh
- Measurement range -100...600 °C, freely scalable
- UART service interface
- 4-pin Binder connector
- Suitable probes: Pt100 probes AC1900...AC1916-AT



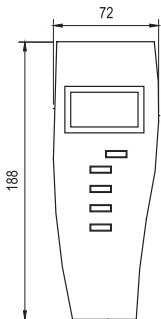
THERMOPALM

Order code TP22

Applications

HVAC applications, pharmaceutical industry, building management systems, paper industry, research, etc.

- For interchangeable Pt100 probes in 4-wire circuit
- Electronics operating range -10...60 °C
- Saves up to 2,000 data records (temperature, date, time)
- 9 V battery
- Accuracy: ± 0.1 K (depending on probe)

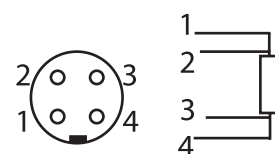


TEMPERATURE MEASUREMENT

Specifications	TP22
Main features	
Probe type	Pt100 probes in 4-wire circuit
Measurement range	-100...600 °C
Accuracy at 23 ± 5 °C	±0.1 K
Reproducibility	0.01K
Initialization time	<2 seconds
Range of application electronics	-10...60 °C
Display resolution	2 decimals
Display illumination	Yes
Alarm indicators	Yes
Battery power indicator	«Low Battery» indicator
Functions	
Trend indicator	Yes
Probe adjustment with software	1-point and multi-point with AC3006 service cable
Probe adjustment with keys	1-point
Data logging	2,000 readings
Event logging	Yes
User information	Via service cable & HW4 software
Device lock (password-protected)	Via service cable & HW4 software
Service information	Scheduled calibration
Audit trail / Electronic records	Conforms to FDA 21 CFR Part 11 and GAMP
Electrical specifications	
Power supply	9 V battery
Rechargeable battery charge	No
Current consumption	<10 mA
Communication interfaces	Via service cable
Service interface	UART (universal asynchronous receiver transmitter) on mini USB interface
Maximum length service cable	5 m
Mechanical specifications	
Housing material	ABS
Dimensions	274 x 72 x 35 mm
Weight	Approx. 300 g
Standards	EN 61000-6-4 & EN 61000-6-2
FDA / GAMP compatibility, audit trail	Conforms to FDA 21 CFR Part 11 and GAMP 4
IP protection	IP 40

The devices can be connected to the Pt100 probes on page 74. Fundamentally, however, all Pt100 probes may be used. The drawing to the right shows the pin configuration:

Pt100 input
(contact side of the flange socket / corresponds to the solder side of the connector)



4-wire Pt100