



Supplied
with
Calibration
certificate

TM 200 Thermometer

New



Advantages

- Interchangeable measurement modules
- User-friendly (Joystick navigation)
- Large graphic display
- Blue backlight
- Up to 8,000 measurement points
- Up to 6 measurements simultaneously
- Instrument/PC wireless communication
- Wireless probes

Connection



Interchangeable measurement modules

1 instrument = more than 1 range and 1 parameter available.



Wireless connection

Instrument / PC
Instrument / probe



Smart-plus system

Wireless or wired probes automatically recognized when connected to the instrument.



The thermometers

TM 200 – Thermocouple temperature module – 4 channels



Current / voltage module



Thermocouple probes – Large choice



Smart-plus Pt100 probes – Large choice



Wireless Pt100 probes – Large choice



Functions



Thermometer

THERMOCOUPLE MODULE

- Dynamic delta T
- Audible alarm (2 setpoints)
- Selection of units
- Minimum / maximum values and hold function
- Storage of 4 thermocouple K, J and T channels
- Calculation of U-value

TEMPERATURES PROBES

- Dynamic delta T
- Audible alarm (2 setpoints)
- Selection of units
- Minimum / maximum values and hold function
- Storage

Current / voltage module

- Adjustable ranges
- Minimum / maximum values and hold function
- Storage

Datalogger-10

- Multi-parameters recording
- Manual and automatic storage
- Memory : up to 8,000 measurement points or 50 datasets
- User-friendly with printing of customized report
- Management of instruments pool, follow-up of calibration periods
- Intervention planning
- Wired or wireless interface

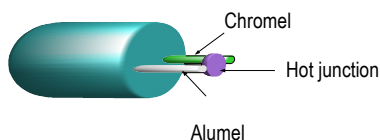


Working principle

Thermometer : thermocouple probe

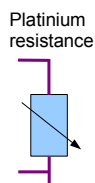
According to the Seebeck effect, when two wires composed of different metals are joined at both ends, an electric circuit is formed. The voltage increases with temperature.

I.E : Thermocouple K



Thermometer : Pt100 probe

Pt100 is a resistance with a positive temperature coefficient which varies according to the temperature. The higher the temperature is, the more the value of the resistance increases. ie : for 0°C \approx 100 Ω - for 100°C \approx 138,5 Ω .



Technical features

HD200 connection

On the top :

2 secured mini-DIN connectors for SMART-Plus probes

Left side :

1 USB port for KIMO cable only

1 power supply plug

Interchangeable measurement modules

Current / voltage module :

Connection : 2 stereo jacks

Thermocouple module :

Connection : 4 inputs for compensated miniature plug of thermocouple type K, J or T Class 1 (as per IEC 584-3 norm)

Display

Graphic display 128x128 pixels

Dim. 50 x 54 mm

Blue backlight

Display of 6 measurements (including 4 simultaneously)

Housing

ABS shock-proof

IP54

Keypad

Metal-coated

5 keys

1 joystick

Conformity

Electromagnetical compatibility

(NF EN 61326-1 norm)

Power supply

4 alkaline batteries 1,5V LR6

Operating environment

neutral gas

Operating temperature

from 0 to +50°C

Storage temperature

from -20 to +80°C

Auto shut-off

adjustable from 0 to 120 min

Weight

340g

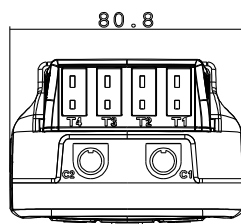
Languages

French, English, Dutch, German, Italian, Spanish, Portuguese, Swedish, Norwegian, Finn, Danish

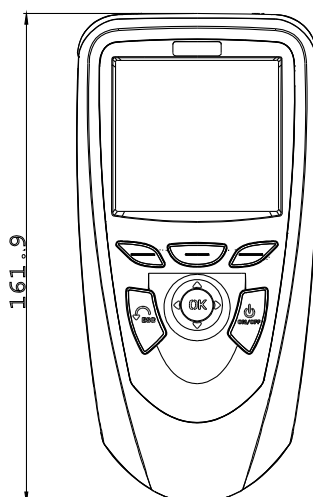


Dimensions

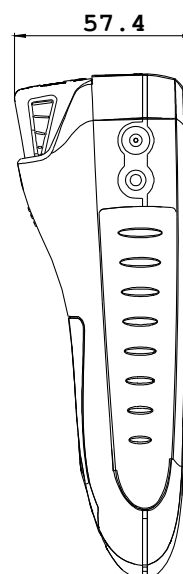
• Top view




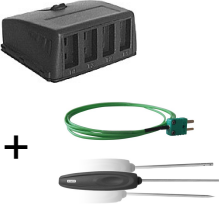

• Front view



• Side view



Specifications

	Measuring units	Measuring range	Accuracy*	Resolutions
CURRENT / VOLTAGE				
	V, mA	from 0 to 2,5 V from 0 to 10 V from 0 to 4/20 mA	±2mV ±10mV ±0.01mA	0.001 V 0.01 V 0.01 mA
THERMOCOUPLE probes (See related datasheet)				
	°C, °F	K: from -200 to 1300°C J: from -100 to 750°C T: from -200 to 400°C	±1.1°C or ±0.4% of reading** ±0.8°C or ±0.4% of reading** ±0.5°C or ±0.4% of reading**	0.1 °C 0.1 °C 0.1 °C
Pt100 probes (See related datasheet)				
	°C, °F	from -50 to 250°C (According to model)	±0,3% of reading ±0.25°C (According to model)	0.01 °C

*All accuracies indicated in this document were stated in laboratory conditions and can be guaranteed for measurements carried out in the same conditions, or carried out with required compensation.
 ** The accuracy is expressed either by a deviation in °C, or by a percentage of the value concerned. Only the bigger value is considered.

Supplied with ...

● Supplied with ○ Option



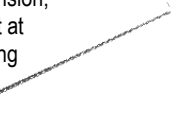






DESCRIPTION	TM 200
Thermocouple temperature module	●
Current / voltage module	○
Thermocouple K, J and T probes	○
SMART-Plus Pt100 probes	○
Wireless Pt100 probes	○
8 rechargeable batteries with charger	○
Calibration certificate	●
Transport case	●

Large choice of temperature probes
(See related datasheet) :

- ambient
- contact
- penetration
- Food industry penetration
- General use



Accessories (See related datasheet)

Datalogger-10	KPIJ 20 – 50 – 100 – 200 - 600	RTS	KCTJ10 - KCTJ02
Datalogger-10 PC software for data recording and processing. Wired (LPCF) or wireless (LPCR) interface. 	Ammeter clamp with PVC cable lg. 2m and jack connector. 	Telescopic extension, length 1 m, bent at 90° for measuring probe. 	Input cable current (KCTJ02) or voltage (KCTJ10) with PVC cable lg 2 m and jack connector
CE 200	GST	ADS	CHA
Hands-free protective cover 	Silicone heat conductive grease for temperature probes 	Adaptor for power supply 230 Vac 	4 batteries charger 
BN	JAC		
Black ball Ø 150mm with junction for temperature probe Ø 4,5mm. Further dimensions available. 	Set of 4 LR6 batteries 		

Warranty period

Instruments have 1-year guarantee for any manufacturing defect (return to our After-Sales Service required for appraisal)

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