

Infrared thermometer

Type P 5005

Type P 5040

Type P 5015



Type P 5005 and P 5040

IR-thermometers with laser in latest technology enables a fast, easy and accurate readings for surface temperature measurements. With built in laser pointer for non-contact infrared temperature measurements of hot or moving objects from a save distance or difficult measuring points. Fixed emissivity (0,95) covers 90 % of surface temp. measurement applications.

Type 5015

With built in laser pointer for non-contact infrared temperature measurements of hot or moving objects from a save distance or difficult measuring points. Fixed emissivity (0,95) covers 90 % of surface temp. measurement applications.

Type P 5005	Type P 5040	Type P 5015
Super Large 3 ½ digit multifunction backlight LCD with Data Hold		3 digit, 15 mm LCD display
Unique flat surface, modern housing design		Unique flat surface, mini modern housing design
max. indication: 1 999		Wide range temperature measurements from -50 ... +280°C
°C/°F switchable		Built-in laser pointer identifies target area
Auto Power Off, Auto-hold function and Fast sampling time		Backlighting illuminates display for taking measurements at night or in areas with low background light levels
Narrov 12:1 field of view (at 12" distance, measure 1"target)		Overrange indication
Safety: IEC-0825-1		
Accessories: Battery and Manual		

	Typ P 5005	Typ P 5040	Typ P 5015
Measurement range	-50 ... +200°C/ 200 ... 750°C -58 ... +200°F/ 200 ... 1382°F	-20 ... +270° C (-4 ... +518° F); ± 3 % - 1° C bzw. 1° F)	-50 ... +280°C (-58 ... +536 °F)
Resolution	0,1° C/F		1° C/F
Accuracy	± 1,5 % ± 2 °C (4 °F)	± 2 % ± 2 °C (bzw. 4 °F)	2 % + 2 °C (4 °F)
Response time	< 1 Sek.		
Operation voltage	9 V Battery		
Dimensions (WxHxD)	56 x 225 x 110 mm		47 x 160 x 82 mm
Weight	290 g	200 g	180 g

Infrared temperature- /humidity Meter

Type P 5090



Type 5090

This combined temperature-/humidity meter (with double function LCD display for showing RH and temperature at the same time - only P 5090) makes these meters suitable for use in refrigerator, airconditioning and general heat treatment processes employed by metal processing electric power plants and chemical industry. With built in laser pointer for non-contact infrared temperature measurements of hot or moving objects from a safe distance or difficult measuring points.

3 ½ digit 21 mm LCD-Doublefunction-Display with backlight
Emissivity settings: 0,95 fixed; Auto power off
Optical resolution 8:1 field of view
Switchable °C/°F units; MAX-Hold and data hold
Safety: IEC-0825-1
Accessories: carrying case, holster, sensor probe, battery and manual

Type P 5090	
Measurement range	-50 ... +200°C; 200 ... 500°C (-58 ... +200°F; 200 ... 932°F) ± 2 % ± 2°C/4°F; 0,1 °C/F
Humidity	5 .. .95 % ± 3,5 %; 0,1 %
Sampling range	2,5 x per second
Operation voltage	9 V Battery
Dimensions (WxHxD)	90 x 170 x 45 mm
Weight	360 g

Digital thermometer

Type P 5110
Type P 5115



Type P 5110 and P 5115

Different compact and handy type K-thermometers with large and bright LCD's with wide range of applications, like airconditioning, food processing and storage, chemical and industry laboratories.

Type P 5110	Type P 5115
3 ½ dgt., 33 mm LCD display, max. 1999 with function indication and backlight	
K-type thermometer with single input	K-type thermometer with single or dual input
	for direct or differential measurement
Measurement of the differential temperature to the absolute zero-point in kelvin	
Auto power off	
Max value recording; data hold function	
Accessories: holster, carrying case, bead probe P TF-50, battery and manual	

	Type P 5110	Type P 5115
Measurement modes	Celsius (C), Fahrenheit (F), Kelvin (K)	Celsius (C), Fahrenheit (F)
Measurement range	-50 ... +1300°C ± 0,5 % + 1°C; 0,01°C -58 ... +2000°F ± 0,5 % + 2°F; 0,01°F 223 ... 2000 K ± 1 % + 2 K; 1 K	-50 ... +1300°C ± 0,5 % + 1°C; 0,01°C -58 ... +2000°F ± 0,5 % + 2°F; 0,01°F
Input	Einfach	Doppelt
Accuracy	0,5 % °C or °F	
Operation voltage	9 V Batterie	
Dimensions (WxHxD)	90 x 170 x 45 mm	
Weight	350 g	350 g

Temperature probes for digital thermometer

TP-01

Liquid temperature probe, -50°C...+700°C

- Suitable for liquids + gel



TP-02

Surface temperature probes, -50°C...+700°C

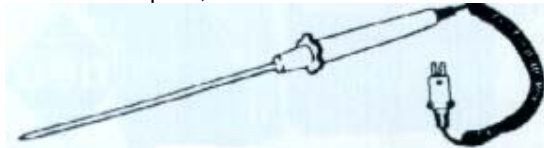
- Suitable for surfaces



K-50

Universal temperature probe, -50°C...+650°C

- Universal Temperatur probe for direct connection. Suitable for liquids, surface and airmeasurements.



K-55 (Abbildung wie K-50)

Universal temperature probe, -50°C...+900°C

- Universal Temperatur probe for direct connection. Suitable for liquids, surface and airmeasurements.

K-60 (Abbildung wie K-50)

Universal temperature probe, -50°C...+1000°C

- Universal Temperatur probe for direct connection. Suitable for liquids, surface and airmeasurements.

K-43

Probe extension with handle, type K-43 for extension of all standard NiCr-Ni probes with 2-pole plug connectors.

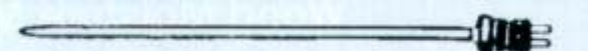
K-44

Surface probe, -50°C...+650°C



K-45

Liquid temperature probe, -50°C...+650°C



K-46

Air temperature probe, -50°C...+650°C



TF-40

Oxygen-/gas probe, -196°C...+500°C

- For Oxygen and gas measurements. Measuring bead protected by stainless steel baffle. Unsuitable for immersion in liquids.

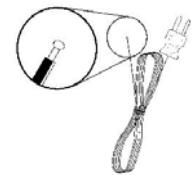
TF-50

Bead probe, -40°C...+204°C

- For general purpose application. Not suitable for immersion in liquids.



TF-40



TF-50

Technical datas

Type	Range	Accuracy	Cable length	Probe length	Probe-Ø
TP-01	-50...+700°C	± 2%, 2,2°C	1,75 m	162 mm	3,2 mm
TP-02	-50...+700°C	± 2%, 2,2°C	1,75 m	162 mm	7,0 mm
K-50	-50...+650°C	± 2%, 2,2°C	1,7 m	200 mm	3,8 mm
K-55	-50...+900°C	± 0,75%	1 m	130 mm	3,0 mm
K-60	-50...+1000°C	± 0,75%	1 m	140 mm	8,0 mm
K-43			1,7 m		
K-44	-50...+650°C	± 2%, 2,2°C		200 mm	14,0 mm
K-45	-50...+650°C	± 2%, 2,2°C		200 mm	3,8 mm
K-46	-50...+650°C	± 2%, 2,2°C		200 mm	6,4 mm
TF-40	-196...+500°C	± 0,5%	0,85 m	200 mm	8,0 mm
TF-50	-40...+204°C	± 0,5%	2 m		1,5 mm