

## Dual Temp Pro TFA 31.1119.K



### Product specification

This professional thermometer from TFA is ideal for uncomplicated temperature measurement in the food industry – contactless or via a penetration probe. So solid substances can be measured just as easily as liquid or pasty-like substances.

The monitoring of the core temperature during the barbecuing or roasting of meats, the preparation food in the bakery, patisserie or in the catering industry, the monitoring of the refrigerated counter at the butcher's or in the supermarket, stock checking or the inspection of incoming goods in the canteen kitchen or food industry, these are all possible applications of the DUALTEMP PRO.

Simply aim at the product to be measured or plunge the probe and within a very short time the device reliably delivers the exact temperature.

Infrared thermometers enable a non-contact measurement of the temperature via the infrared radiation of a body.

The DUALTEMP PRO is HACCP and EN 13485 compliant and ideally suited for industry, trade, commerce and laboratories. A HACCP LED warns even if certain limits are exceeded.

Since it is jet-proof, the thermometer can be cleaned under running water after use. The factory certificate is included.

### Function

- Temperature measurement with probe or optional contact-free with infrared
- Display of current, maximum or minimum temperatures during the measurement
- Hold and lock function
- HACCP-LED indicates HI/LO-Level for Food
- Infrared: accuracy depending on the measuring range  $\pm 1^{\circ}\text{C}$
- Adjustable emission ratio
- LED spot size indicator
- Relation measuring distance/spot size 2,5:1
- Probe: accuracy depending on the measuring range from  $\pm 0.5^{\circ}\text{C}$
- Calibrated with 2 measuring points ( $-18^{\circ}\text{C}/+2^{\circ}\text{C}$ )
- IP65 jet water-proof
- Compliant with EN13485
- Mounting clip, storage pouch and factory certificate included

### TFA Quality mark:



## Technical data

Delivery contents	Penetration probe infrared thermometer, clip, pouch, factory certificate, batteries, instruction manual
Measuring range temperature	-55...+250°C (-67...+482°F)
Material	Plastic
Power consumption	Batteries
Batteries included	yes
Batteries	2 x AAA 1.5 V
Dimensions	(L) 39 x (B) 22 x (H) 160 (275) mm
Weight	82 g

### Werksprüfschein Manufacturer Testing Certificate



DOSTMANN electronic GmbH

Meßgerätebezeichnung  
Instrument model

Dualtemp Pro

Zertifikatsnummer  
Certificate number E9112032267

Zertifizierte Referenzmessgeräte BlackBody(No. KSRII0001-08, KSRII0036-02)  
Liquid Bath(No. KSRII0005-04, KSRII0005-03)

Certified reference instruments

Prüfpunkte Infrarot / Infrared Testing points

Prüftemperatur Reference	Anzeige Reading	Abweichung Deviation
-18°C	-18	0
2°C	1.8	-0.2

Prüfpunkte Thermoelement / Thermocouple Testing points

Prüftemperatur Reference	Anzeige Reading	Abweichung Deviation
-18°C	-18	0
2°C	2.2	0.2

Messunsicherheit Schwarzstrahler/Uncertainty of Blackbody : 0.3°C  
Emissionsgrad Schwarzstrahler/Emissivity of Blackbody : 0.95  
Messunsicherheit Kalibrierbad/Uncertainty of Liquid Bath : 0.05°C

Meßunsicherheit:

Angegeben ist die erweiterte Meßunsicherheit, die sich aus der Standard-meßunsicherheit durch Multiplikation mit dem Erweiterungsfaktor  $k = 2$  ergibt. Der Wert der Meßgröße liegt mit einer Wahrscheinlichkeit von 95% im zugeordneten Wertintervall.

Uncertainty:

The stated uncertainty corresponds to the double standard deviation ( $k=2$ ) and contains both the uncertainties of the calibration method and the calibration object.

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Stempel	Unterschrift/ Signature	Datum der Prüfung/ Date of test
		2020/01/10

Umgebungstemperatur während der Messung 23 °C +/- 3 °C  
Ambient temperature during the measurement 23 °C +/- 3 °C

Die Messungen wurden mit einem Referenzmeßgerät durchgeführt, dessen Rückführbarkeit auf nationale Standards durch ein DKD Kalibrierlaboratorium zertifiziert ist.  
The measurement have been performed with an instrument traceability to national standards is certified by a DKD office.