



## Valuable food deserves the greatest care: From Farm to Fork.

Three reasons for **Testo food measuring technology.**



**High-precision:** With measuring instruments from Testo, you always have the certainty of reliably complying with limit values. And if required, we will deal with calibration (including certificate) for you.



**Robust and hygienic:** Our food measuring instruments are of especially rugged design, lie well in your hand and can be easily cleaned.



**HACCP certified:** Food measurement technology from Testo fulfils the stringent requirements of HACCP International.

Be sure. **testo**

## Ordering **infos.**

Measuring instruments for incoming goods	Order no.	EUR
<b>testo 104</b> Folding thermometer with metal joint	0563 0104	xxx.xx
<b>testo 104-IR</b> Folding penetration-infrared thermometer	0560 1040	xxx.xx
<b>testo 105</b> One-hand thermometer with frozen goods measuring tip	0563 1054	xxx.xx
<b>testo 108</b> Temperature measuring instrument	0563 1080	xxx.xx
<b>testo 831</b> Infrared thermometer	0560 8316	xxx.xx
Data loggers for storage and transportation	Order no.	EUR
<b>testo 174 T</b> Mini temperature data logger	0572 1560	xxx.xx
<b>testo 174 T</b> Mini temperature data logger (kit with USB readout unit)	0572 0561	xxx.xx
<b>testo 184 T3</b> USB data logger for transport monitoring	0573 1843	xxx.xx
Data monitoring systems for storage and transportation	Order no.	EUR
<b>testo Saveris 2-T1</b> WiFi data logger with integrated NTC temperature probe	0572 2031	xxx.xx
<b>testo Saveris 2-T2</b> WiFi data logger for connectable external NTC temperature probes	0572 2032	xxx.xx
<b>NTC temperature probe</b> (Connectable probes for testo Saveris 2-T2)	0572 1001	xxx.xx
<b>Door contact connection cable</b> 2-wire connection cable with mini DIN plug for testo Saveris 2-T2	0572 2152	xxx.xx
<b>Batteries for testo Saveris 2 below -10 °C</b> (4 x Energizer L91 Photo Lithium batteries)	0515 0572	xxx.xx
<b>Magnetic adapter for testo Saveris 2 wall bracket</b> (for attachment to magnetic surfaces)	0554 2001	xxx.xx
<b>testo Saveris 2 Cloud licence Advanced</b> (for 36 months with SMS alarm)	0526 0733	xxx.xx

2981 115X/msp/11.2018 Subject to change, including technical changes, without notice. All prices net, plus shipping costs and VAT, valid from 01/01/2019. Payment 30 days net.

Be sure. **testo**



## Your partner for safe foods.

[www.testo.com](http://www.testo.com)

Measuring instruments from Testo monitor adherence to the temperature limit values along the entire cold chain.

# The food protectors from Testo.

Testo offers a comprehensive product range along the entire cold chain. At all the crucial stages, our thermometers, data loggers or monitoring systems contribute to the safe and norm-compliant manufacture, transportation and storage of foods. Because only then do they really taste good.

## More safety for your foods.

All thermometers listed in this flyer correspond to the norm EN 13485 and the norm EN 12830 applies to all temperature data loggers mentioned.

**Important:** All thermometers, data loggers and monitoring systems listed here should be calibrated annually according to the norm 13486.

## Protection class

**IP 30** Protected from foreign bodies with a diameter  $\geq 2.5$  mm (do not bring into contact with water).

**IP 65** Washable under running water.

**IP 67** Waterproof.

## Norms / concepts

**EN 13485** Measuring instruments marked with this symbol comply with the norm EN 13485.

**EN 12830** Measuring instruments marked with this symbol comply with the norm EN 12830.

Measuring instruments marked with this symbol fulfil the stringent requirements of HACCP International.



## Measuring instruments for incoming goods



### testo 108 Temperature measuring instrument

- Immediately ready to go: One penetration temperature probe (Type T) included, further connectable temperature probes optionally available (Type K and T)
- Especially easy to operate: Just two, self-explanatory buttons
- Measurement in seconds, large measuring range (-50 to 300 °C)



### testo 105 One-hand thermometer with frozen goods measuring tip

- Operable with one hand; especially robust, ergonomic handle assists strength in penetrating frozen goods
- Exchangeable measurement tip e.g. for frozen goods or semi-solid media
- Optical and audible alarms of limit values violations; 2 freely adjustable limit values



### testo 104 Folding thermometer with metal joint

- Fits into any pocket thanks to robust, metal folding hinge
- Automatic final value recognition (Auto Hold)
- Min/max memory for the values measured with Hold/Auto-Hold



### testo 104-IR Folding penetration-infrared thermometer

- Fits into any pocket thanks to folding mechanism
- High-quality, robust folding joint for tough working use
- Precise 2-point laser with 10:1 optics for an exact measurement area and error-free measurements



### testo 831 Infrared thermometer

- Precise temperature measurement even at a greater distance and for small products
- Very fast: two measurements a second – means you can scan complete pallets virtually in passing
- With 2-point laser measurement spot marking and 30:1 optics; including belt holder and batteries



## Data logger for monitoring temperature in storage and transport



### testo 174 T Mini temperature data logger

- High data integrity, even with an empty battery
- Measurement data memory for 16,000 temperature readings, approx. 500 days of battery life
- Data analysis: Three possible software versions to choose from, basic software available as a free download



### testo 174 T Mini temperature data logger (kit with USB readout unit)

- High data integrity, even with an empty battery
- Measurement data memory for 16,000 temperature readings, approx. 500 days of battery life
- Data analysis: Three possible software versions to choose from, basic software available as a free download
- USB hub for easy data readout



### testo 184 T3 USB temperature data logger for transport monitoring

- Everything in one logger: PDF measurement data, configuration file, calibration certificate and instruction manual
- No software necessary: immediate creation of a PDF report (via PC, mobile printer or App)
- Optical alarms of limit values violations, 2 freely adjustable limit values



## Data monitoring systems for monitoring temperature in storage and transport



### testo Saveris 2-T1 WiFi data logger with integrated NTC temperature probe

- Automated online temperature monitoring
- Access and analyze temperature data at all times independently of location, via smartphone, tablet or PC
- Limit value violation alarms by e-mail, push notification (App) or (optionally) SMS



### testo Saveris 2-T2 WiFi data logger for connectable external NTC temperature probes

- Automated online temperature monitoring
- Access and analyze temperature data at all times independently of location, via smartphone, tablet or PC
- Limit value violation alarms by e-mail, push notification (App) or (optionally) SMS
- Easy to install and to operate
- Please order suitable NTC probes (e.g. 0572 1001) separately



## The Testo Cloud

The Testo Cloud is the core operating element for setting up testo Saveris 2. You must first register at [www.saveris.net](http://www.saveris.net) in order to be able to work with the Cloud. To use it, you can choose between the free Basic or the more comprehensive Advanced package.

### Some advantages of the Advanced package:

- Flexible measurement interval adjustment
- E-mail and SMS alarms for critical measurement values
- Data storage for max. 2 years
- Automatic report creation

