



Committing to the future

## Food Hygiene Monitoring Instruments

2009



# Food Safety Rules and Regulations

## EU Food Hygiene Legislation

January 1st 2006 saw the introduction of the new EU food hygiene laws affecting all food businesses, including caterers, primary producers (such as farmers), manufacturers, distributors and retailers, with the key aim of reducing the number of cases of food poisoning.

The new EU regulations are as follows:

- **EC 852/2004** - on the hygiene of food stuffs
- **EC 853/2004** - specific hygiene rules for food of animal origin
- **EC 854/2004** - specific rules for the organisation of official controls on products of animal origin intended for human consumption

The new legislation also requires that all food business operators put in place, implement and maintain a permanent food safety management procedure(s) based on HACCP principles.

## About HACCP

HACCP stands for "Hazard Analysis Critical Control Point" and is an internationally recognised and recommended system of food safety management. It focuses on identifying the "critical points" in a process where food safety hazards could arise and putting steps in place to control such hazards. Record documentation is also an important part of a HACCP system.

Testo offers a wide range of instruments to help you keep HACCP compliant, giving you extra reassurance that your methods are safe.

## BS EN Regulations

Further EC regulations are placed on measuring instruments and data loggers when used in specific environments.

**BS EN 12380** is the regulation for data loggers used within the transportation and storage of chilled and frozen foods. Testo's 175-T1 and 175-T2 data loggers comply with this regulation (see pages 16 - 17 for further details).

**BS EN 13485** is the regulation for portable measuring instruments used within the transportation and storage of chilled and frozen foods. The following Testo instruments, featured within this brochure, comply with this regulation:

- **Testo 106** penetration thermometer (page 4)
- **Testo 105** robust hand-held thermometer (page 5)
- **Testo 926** type T thermometer (page 6)
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## Calibration

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# Testo 106

## Ultimate Penetration Thermometer



Testo's ultimate penetration thermometer is ideal for quick and uncomplicated core temperature checks in all areas of food production, preparation and storage.

- Dishwasher-proof TopSafe protection case for easy cleaning (IP 67)
- Wide measuring range with high accuracy
- Fast measurement rate (2 measurements per second)
- User adjustable high and low alarms
- Belt clip and wall bracket included
- BS EN 13485 compliant when used with TopSafe protection case

### Did You Know ?

Our TopSafe cases are dishwasher-proof for the highest hygiene standards

#### Technical Data

|                 |  |
|-----------------|--|
| Measuring range | -50 to +275 °C                                       |
| Accuracy        | ±1 °C (+100 to +275 °C)                              |
| ±1 digit        | ±0.5 °C (-30 to +99.9 °C)<br>±1 °C (-50 to +30.1 °C) |
| Resolution      | 0.1 °C   |
| Sensor type     | NTC  |
| Battery life    | 350 hours  |

### Testo 106 Including TopSafe

Penetration thermometer including TopSafe waterproof protection case, probe protection cap, wall bracket/belt clip and battery

Part Number **300563 1063**

Price **£38.00 €50.00**

#### Accessories

|                                    | Part Number | Price £ | Price € |
|------------------------------------|-------------|---------|---------|
| Additional TopSafe protection case | 0516 8265   | 13.40   | 18.00   |

# Testo 105

## Hand-Held T-Bar Thermometer



Robust hand-held T-bar thermometer, with interchangeable measurement tips, for control measurements in abattoirs, refrigerated storerooms and meat processing.

- Water resistant (IP 65)
- Optional interchangeable probes
- Two user-defined limit values, alarm visual or audible
- Built-in backlit display
- 2 line display
- BS EN 13485 compliant

#### Technical Data

|                 |   |
|-----------------|---|
| Measuring range | -50 to +275 °C                                    |
| Accuracy        | ±0.5 °C (-20 to +100 °C)                          |
| ±1 digit        | ±1 °C (-50 to -20 °C)<br>±1 % (+100.1 to +275 °C) |
| Resolution      | 0.1 °C  |
| Sensor type     | NTC   |
| Battery life    | 80 hours (auto off 10 mins)                       |

### Testo 105

Testo 105 hand-held T-bar thermometer and standard 100 mm measurement tip

Part Number **0563 1051**

Price **£76.70 €100.00**

### Testo 105 Set

Testo 105 hand-held T-bar thermometer with standard measurement tip, frozen food tip, long measurement tip and wall bracket/belt clip in an aluminium case

Part Number **0563 1052**

Price **£176.00 €229.00**

#### Accessories

|                                       | Part Number | Price £ | Price € |
|---------------------------------------|-------------|---------|---------|
| Standard measurement tip, 100 mm long | 0613 1051   | 19.00   | 25.00   |
| Frozen food tip, 90 mm long           | 0613 1052   | 50.30   | 66.00   |
| Long measurement tip, 200 mm long     | 0613 1053   | 20.50   | 27.00   |



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# Testo 926

## Type T Thermometer



Designed for use throughout the food industry this fast and accurate thermometer can be used with both corded and optional wireless probes.

- Wide range of rugged probes for every food application
- Optional wireless probe measurement
- Auto hold with user-settable times
- BS EN 13485 compliant when used with TopSafe protection case
- Optional print out facility
- Audible alarm (adjustable alarm limits)
- Date and time set up function

### Technical Data

|                 |   |
|-----------------|---|
| Measuring range | -50 to +400 °C  |
| Accuracy        | ±0.3 °C (-20 to +70 °C)   |
| ±1 digit        | ± (0.7 °C ±0.5 % of mv) (remaining range)   |
| Resolution      | 0.1 °C (-50 to +199.9 °C)<br>1 °C (remaining range)   |
| Sensor type     | Type T  |
| Battery life    | 200 hours (connected probe, backlight off)<br>68 hours (connected probe, backlight always on) |

### Testo 926 Starter Set

Single channel type T thermometer including waterproof TopSafe protection case, standard immersion/penetration probe, battery and calibration protocol

Part Number **0563 9262**

Price **£129.00** **€168.00**

| Accessories  | Part Number | Price £ | Price € |
|--|-------------|---------|---------|
| Robust air probe, T/C Type T   | 0603 1793   | 49.40   | 65.00   |
| PTFE Type T wire probe, 1m   | 300000 0646 | 10.00   | 13.00   |
| Oven thermocouple probe, 2m length, -50 to +250 °C                       | 0603 0646   | 37.80   | 50.00   |
| Waterproof immersion/penetration probe, T/C Type T                       | 0603 1293   | 38.00   | 50.00   |
| Wireless NTC immersion/penetration probe                                 | 0613 1001   | 68.90   | 90.00   |
| Wireless radio module (converts instrument for use with wireless probes) | 0554 0188   | 26.70   | 35.00   |
| Testo infrared printer, with paper and batteries                         | 0554 0547   | 154.00  | 200.00  |

# Testo 925

## Spot Check Thermometer



Fast-action spot check thermometer with special probes ideal for hotels, industrial kitchens, catering and supermarkets.

- Single channel measuring instrument with optional radio probe
- Continuous display of max/min values
- Display light
- Audible alarm sounds when limit values are exceeded

### Technical Data

|                 |   |
|-----------------|---|
| Measuring range | -50 to +1000 °C   |
| Accuracy        | ±(0.5 °C +0.3% of mv) (-40 to +900 °C)  |
| ±1 digit        | ±(0.7 °C +0.5% of mv) (remaining range)   |
| Resolution      | 0.1 °C (-50 to +199.9 °C)<br>1 °C (remaining range)   |
| Sensor type     | Type K  |
| Battery life    | 200 hours (connected probe, backlight off)<br>45 hours (radio mode, backlight off)<br>68 hours (connected probe, backlight always on)<br>33 hours (radio mode, backlight always on) |

### Testo 925

Testo 925, single channel temperature measuring instrument T/C Type K, audible alarm, connection of an optional radio probe, with battery and calibration protocol

Part Number **0560 9250**

Price **£70.00** **€91.00**

| Accessories  | Part Number | Price £ | Price € |
|--|-------------|---------|---------|
| Immersion/penetration probe Type K   | 0602 1293   | £28.60  | €38.00  |
| Air probe Type K   | 0602 1793   | £41.30  | €54.00  |
| Waterproof food probe made of stainless steel (IP65) T/C Type K                  | 0602 2292   | £83.70  | €109.00 |
| Robust food probe with special handle (IP65), reinforced cable (PUR), T/C Type K | 0602 2492   | £68.90  | €90.00  |
| Immersion tip/flexible   | 0602 5792   | £27.00  | €36.00  |



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# Testo 110

## NTC Thermometer



Designed for use throughout the food processing and service industry, this versatile thermometer can be used with both corded and optional wireless probes.

- Wide range of probes for all areas of food measurement
- Optional wireless probe measurement
- Date and time set up function
- TopSafe protective case guards against water, damage and dirt
- Continuous display of max/min values
- Adjustable audible alarm limits
- Optional print out facility

### Technical Data

|                 |   |
|-----------------|---|
| Measuring range | -50 to +150 °C<br>-0 to +275 °C   |
| Accuracy        | ±0.2 °C (-20 to +80 °C)<br>±0.3 °C (remaining range)  |
| Resolution      | 0.1 °C  |
| Sensor type     | NTC   |
| Battery life    | 200 hours (connected probe, backlight off)<br>68 hours (connected probe, backlight always on) |

### Testo 110

Testo 110 NTC thermometer with audible alarm, battery and calibration protocol

Part Number **0560 1108**

Price **£71.00** **€93.00**

### Accessories

|  | Part Number | Price £ | Price € |
|--|-------------|---------|---------|
| Waterproof NTC immersion/penetration probe                               | 0613 1212   | 46.00   | 60.00   |
| Frozen food probe NTC corkscrew design                                   | 0613 3211   | 123.00  | 160.00  |
| Waterproof NTC surface probe for flat surfaces                           | 0613 1912   | 55.00   | 72.00   |
| Wireless NTC immersion/penetration probe                                 | 0613 1001   | 68.90   | 90.00   |
| Wireless radio module (converts instrument for use with wireless probes) | 0554 0188   | 26.70   | 35.00   |
| TopSafe protects instrument from impact and dirt                         | 0516 0221   | 18.00   | 24.00   |
| Testo infrared printer with paper and batteries                          | 0554 0547   | 154.00  | 200.00  |



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CONTACT PROBE THERMOMETERS

# Testo 735

## Advanced Multi-Channel Thermometer



Highly versatile, multi-channel thermometer with logging ability and location management. A wide range of optional probes available including Pt100, T/C Type K, T/C Type T and wireless probes.

- System accuracy up to 0.05 °C
- Stores up to 10,000 readings
- PC-software for filing and documenting measurement data
- Storage of single measurements or measurement series by location
- Print out on site with optional Testo infrared printer

### Technical Data

|                 |  |   |
|-----------------|--|---|
| Measuring range | -200 to +800 °C                            | -200 to +1,370 °C                               |
| Accuracy        | ±0.2 °C (-100 to +199.9 °C)                | ±0.3 °C (-60 to +60 °C)                         |
| ±1 digit        | ±0.2% of mv (remaining range)              | ±0.5% of mv (remaining range)                   |
| Resolution      | 0.05 °C                                    | 0.1 °C  |
| Sensor type     | Pt100                                      | K   |
| Battery life    | 200 hours (connected probe, backlight off) | 68 hours (connected probe, backlight always on) |

### Testo 735-2

#### Multi-Channel Thermometer

Testo 735-2 advanced multi-channel thermometer including PC software, USB cable, battery and calibration protocol

Part Number **0563 7352**

Price **£292.00** **€380.00**

**NB: For Type T probes please see page 6 (Testo 926 accessories)**

| Accessories  | Part Number | Price £ | Price € |
|--|-------------|---------|---------|
| Waterproof immersion/penetration probe, T/C Type K       | 0602 1293   | 28.60   | 38.00   |
| Waterproof stainless steel food probe (IP 65) T/C Type K | 0602 2292   | 83.70   | 109.00  |
| Robust, waterproof Pt100 immersion/penetration probe     | 0609 1273   | 60.50   | 79.00   |
| Transportation case for instrument and probes            | 0516 0035   | 59.90   | 78.00   |
| Testo infrared printer with paper and batteries          | 0554 0547   | 154.00  | 200.00  |

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CONTACT PROBE THERMOMETERS



## Testo 805

### Mini Infrared Thermometer



Compact infrared thermometer ideal for quick measurements at delivery, storage and hot cupboards. For quick surface and air measurements of fridge/freezers, hot cupboards and point of delivery.

- Only 80mm long
- Fast response for bulk storage areas
- Packaging remains undamaged
- Rugged TopSafe case is dishwasher-proof
- Spot ratio 1:1
- Display min/max values

#### Did You Know ?

Infrared thermometers are ideal for checking temperature at point of delivery

#### Technical Data

|                 |   |
|-----------------|---|
| Measuring range | -25 to +250 °C  |
| Accuracy        | ±3 °C (-25 to -21 °C)<br>±2 °C (-20 to -2.1 °C)<br>±1 °C (-2 to +40 °C)<br>±1.5 °C (+40.1 to +150 °C)<br>±2 % of mv (+150.1 to +250 °C) |
| Resolution      | 0.1 °C (-9.9 to +199.9 °C)<br>1 °C (remaining range)  |
| Sensor type     | Integrated infrared sensor  |
| Battery life    | 40 hours (typical)  |

#### Testo 805 Set

Testo 805 infrared thermometer including TopSafe and battery

Part Number **0563 8051**

Price **£50.00** **€65.00**

#### Accessories

|                                    | Part Number | Price £ | Price € |
|------------------------------------|-------------|---------|---------|
| Additional TopSafe protection case | 0516 8051   | 10.60   | 14.00   |

## Testo 610

### Humidity and Temperature Measurement

Innovative pocket sized measurement technology for air temperature and humidity checks.

- Reliable and stable measurement with Testo humidity sensor
- 2.5 %rh accuracy with calibration protocol
- Includes dewpoint and wet bulb calculation
- Useful aid for dampness and air quality investigations

| Technical Data  | Temperature   | Humidity               |
|-----------------|---------------|------------------------|
| Measuring range | -10 to +50 °C | 0 to 100 %rh           |
| Accuracy        | ±0.5 °C       | ±2.5 %rh (5 to 95 %rh) |
| Resolution      | 0.1 °C        | 0.1 %rh                |



#### Testo 610

Includes Testo 610, wrist strap, belt holder, protective cap, calibration protocol and batteries

Part Number **0560 0610**

Price **£124.00** **€162.00**

## Testo 810

### Air and Surface Temperature Measurement

Innovative pocket sized measurement technology for air and surface temperature measurement.

- Surface temperature IR measurement with 1-point laser spot marking and 6:1 optics
- Air temperature measurement
- Display of differential temperature e.g. between surface and air
- Hold function and max/min values

| Technical Data  | Surface   | Air           |
|-----------------|---|---------------|
| Measuring range | -30 to +300 °C  | -10 to +50 °C |
| Accuracy        | ±2.0 °C<br>(-30 to +100 °C)<br>± 2% of m.v. (remaining range) | ± 0.5 °C      |
| Resolution      | 0.1 °C  | 0.1 °C        |



#### Testo 810

Includes Testo 810, wrist strap, belt holder, protective cap, calibration protocol and batteries

Part Number **0560 0810**

Price **£81.00** **€106.00**



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## Testo 826

### Non-Contact or Direct Temperature Measurement



An infrared thermometer ideal for non-contact, quick surface or air temperature measurement checks.

- Small and practical
- Non-contact measurement without damaging the packaging
- Core temperature measurement with thin, robust measuring tip (826-T3 & 826-T4 models)
- Upper and lower limit value monitoring with optical alarm (audible alarm on 826-T2 & 826-T4 models)
- Wall/belt holder included
- Dishwasher-proof TopSafe protection case (IP 67)
- Spot ratio 6:1

#### Technical Data

| Probe type      | Infrared   | NTC   |
|-----------------|--|---|
| Measuring range | -50 to +400  | -50 to +230 °C  |
| Accuracy        | ±1.5 °C (-20 to +100 °C)   | ±0.5 °C (-20 to +99.9 °C)                                     |
| ±1 digit        | ±2 °C or 2% of mv (remaining range)  | ±1 °C or 1% of mv (+100 to +230 °C)<br>1 °C (-50 to -20.1 °C) |
| Resolution      | 0.5 °C   | 0.1 °C  |
| Sensor type     | Infrared   | NTC   |
| Battery life    | 150 hours - 826-T1<br>20 hours - 826-T2<br>100 hours - 826-T3<br>15 hours - 826-T4 |   |

#### Testo 826-T1

##### Infrared Thermometer

Testo 826-T1 infrared thermometer without laser sighting, includes TopSafe and wall/belt holder

Part Number 0563 8261

Price £92.00 €120.00

#### Testo 826-T2

##### Infrared Thermometer with Laser Sighting

Testo 826-T2 infrared thermometer with laser sighting and alarm function, includes TopSafe and wall/belt holder

Part Number 0563 8262

Price £116.00 €151.00

#### Testo 826-T3

##### Infrared Thermometer with Penetration Probe

Testo 826-T3 2-in-1 thermometer without laser sighting, includes TopSafe, wall/belt holder, probe protection cap and frozen food drill

Part Number 0563 8263

Price £169.00 €220.00

#### Testo 826-T4

##### Infrared Thermometer with Penetration Probe and Laser Sighting

Testo 826-T4 2-in-1 thermometer with laser sighting and alarm function, includes TopSafe, wall/belt holder, protection cap and frozen food drill

Part Number 0563 8264

Price £193.00 €251.00

## Testo 831

### Infrared Thermometer with Laser Sighting



Fast and versatile infrared thermometer suitable for fast product scans up to 1m distance at incoming goods departments, shelves, etc. Ideal for use in supermarkets, convenience stores, warehouses and catering applications.

- 30:1 focus
- Backlit display
- Audible/visual alarm
- Emissivity adjustable from 0.2 to 1.0
- Belt holder included

#### Technical Data

|                 |                                 |
|-----------------|---------------------------------|
| Measuring range | -30 to +210 °C                  |
| Accuracy        | ±2 °C or ±2 % of mv             |
| ±1 digit        | (-30 to -20.1 °C)               |
|                 | ±1.5 °C or 1.5 % of mv          |
|                 | (-20 to +210 °C)                |
| Resolution      | 0.5 °C                          |
| Sensor type     | Integrated infrared thermometer |
| Battery life    | 15 hours                        |

#### Testo 831

Testo 831 infrared thermometer with 2 point laser sighting, adjustable limit values and alarm function. Includes belt holder and calibration protocol

Part Number 0560 8310

Price £144.00 €187.00

#### Testo 831 Set

Testo 831 infrared thermometer with belt holder and calibration protocol. Set also includes Testo 106 penetration thermometer with belt clip and TopSafe cover (see page 4 for more details)

Part Number 0563 8310

Price £183.00 €238.00



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NON-CONTACT INFRARED THERMOMETERS



## Mini Thermometers and Thermometer Strips



### Fridge/Freezer Thermometer

Easy to read waterproof fridge/freezer thermometer  
Measuring range -40 to +40 °C with up to 1 °C accuracy

Part Number 300560 4018

Price £12.00 €16.00



### Testo Mini Surface Thermometer

Measuring range of -50 to +250 °C with up to 1 °C accuracy, 120mm long

Part Number 0900 0519

Price £25.20 €33.00



### Testo Mini Thermometer

Measuring range of -50 to +150 °C with up to 1 °C accuracy, 120mm long

Part Number 0900 0525

Price £18.70 €25.00

### Testo Waterproof Mini Thermometer

Dishwasher-safe thermometer (IP68). Measuring range of -40 to +230 °C with up to 0.3 °C accuracy, 120mm long

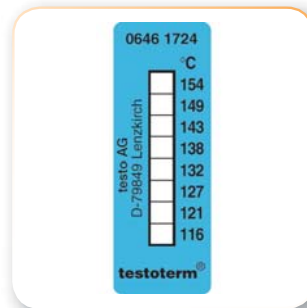
Part Number 0900 0528

Price £18.00 €24.00

## Thermometer Strips

Self-adhesive foils with temperature sensitive elements for temperature control and regulation, ideal for monitoring batches during cooking or temperature checks in warehouses and during transportation.

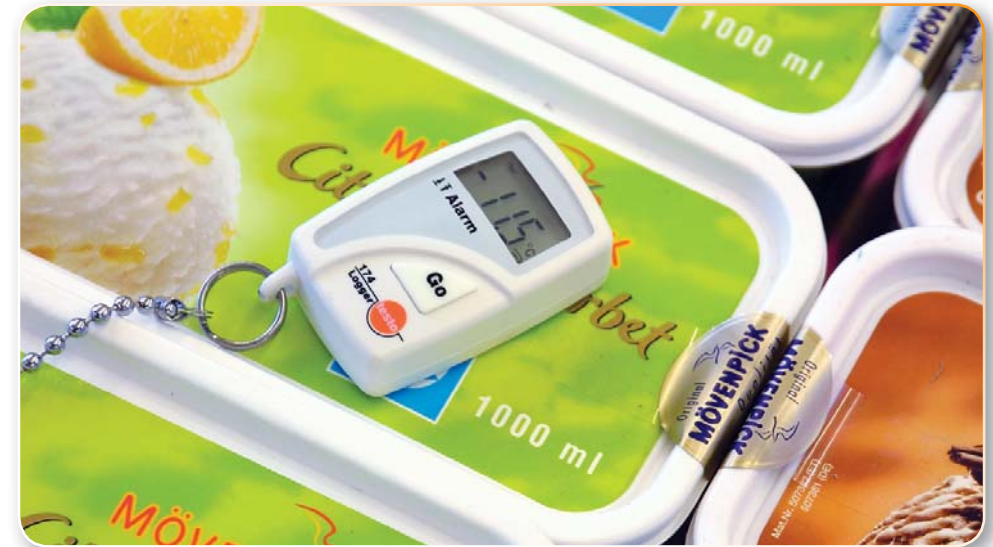
- Measuring range +37 to +280 °C
- Irreversible change in colour within 2 seconds
- Booklet of 10 thermometer strips



Quantity discounts and rolls available. Please call for further information.

| Testoterm Strips | Part Number | Price £ | Price € |
|------------------|-------------|---------|---------|
| +37 to +65 °C    | 0646 0108   | 18.40   | 24.00   |
| +71 to +110 °C   | 0646 0916   | 18.40   | 24.00   |
| +116 to +154 °C  | 0646 1724   | 18.40   | 24.00   |
| +161 to +204 °C  | 0646 2532   | 18.40   | 24.00   |
| +204 to +260 °C  | 0646 3341   | 18.40   | 24.00   |
| +249 to +280 °C  | 0646 0005   | 18.40   | 24.00   |

## Testo 174 Mini Data Logger



High accuracy single channel mini temperature data logger with digital display, ideal for monitoring temperature during transportation and storage.

- Waterproof (IP 65)
- Eliminates time needed for paper records
- Max/min values can be displayed
- Secure data even if the battery goes down (typical life of 1.5 years)
- Complies with BS EN 12830
- Wall bracket and padlock included

### Testo 174 Starter Set

Mini temperature data logger, 1 channel, ComSoft 3 Basic, wall bracket, lock, interface including USB connection cable, battery

Part Number 0563 1743

Price £123.00 €160.00

### Technical Data

|                 |  |
|-----------------|--|
| Measuring range | -30 to +70 °C  |
| Accuracy        | ± 0.8 °C (-30 to -20.1 °C)<br>± 1 digit ± 0.5 °C (-20 to +40 °C)<br>± 0.8 °C (+40 to +70 °C) |
| Resolution      | 0.1 °C   |
| Memory          | 3,900  |
| Sensor type     | NTC Thermistor   |
| Battery life    | 500 days (typical)   |

### Testo 174

Mini temperature data logger, 1 channel, including wall bracket, lock and battery

Part Number 0563 1741

Price £49.00 €64.00

## Testo 175-T

### Temperature Data Logger Range



Compact data loggers for temperature measurement that guarantees uninterrupted monitoring of air temperatures.

- Memory up to 16,000 readings
- 1 line clear LCD display
- Eliminates time needed for paper records
- Secure data even if the battery goes down (typical life of 2.5 years)
- Complies with BS EN 12830

| Technical Data  | Testo 175-T1             | Testo 175-T2 |
|-----------------|--------------------------|--------------|
| Measuring range | -40 to +120 °C           |              |
| Accuracy        | ± 0.5 °C (-20 to +70 °C) |              |
| ±1 digit        | ± 1 °C (remaining range) |              |
| Resolution      | 0.1 °C (-20 to +70 °C)   |              |
|                 | 0.3 °C (remaining range) |              |
| Memory          | 7,800                    | 16,000       |
| Sensor type     | NTC                      |              |
| Battery life    | Up to 2.5 years          |              |

#### Testo 175-T1 Data Logger

Temperature data logger, 1 channel, internal sensor. Supplied with wall holder and calibration protocol

Part Number 0563 1754

Price £89.00 €116.00

#### Testo 175-T2 Data Logger

Temperature data logger, 2 channels, with internal sensor and external probe socket. Supplied with wall holder and calibration protocol

Part Number 0563 1755

Price £109.00 €142.00

| Accessories                                | Part Number | Price £ | Price € |
|--|-------------|---------|---------|
| Waterproof NTC immersion/penetration probe | 0613 1212   | 46.00   | 60.00   |
| Robust NTC air probe                       | 0613 1712   | 51.00   | 67.00   |

## Testo 175-H2

### Humidity Data Logger

Compact humidity/temperature logger with display, providing you with fast on-site overviews of current readings.

- Humidity sensor for long term stability
- Eliminates time needed for paper records
- Secure data even if the battery goes down

#### Technical Data

|                 |                                    |  |
|-----------------|------------------------------------|--|
| Measuring range | -20 to +70 °C                      |  |
|                 | 0 to 100% rh                       |  |
| Accuracy        | ± 0.5 °C                           |  |
| ±1 digit        | ± 1 digit ± 3% rh                  |  |
| Resolution      | 0.1 °C                             |  |
|                 | 0.1% rh                            |  |
| Memory          | 16,000                             |  |
| Sensor type     | NTC and humidity capacitive sensor |  |
| Battery life    | 2.5 years typical                  |  |

#### Testo 175-H2 Data Logger

Humidity/temperature logger, 2 channels, built-in sensors, wall holder and calibration protocol

Part Number 0563 1758

Price £217.00 €282.00

## Accessories



#### ComSoft Basic for 175 USB interface

Testo ComSoft software enables you to monitor, save and print logger data. Once downloaded, data can be shown in a table or graph format

Part Number 0554 1766

Price £96.00 €125.00



#### Testo 575 Fast Printer and Logger Control

Infrared printer that prints straight from any Testo product (with print function), without the need for PC connection. Can also be used to stop and restart data loggers

Part Number 0554 1775

Price £294.00 €382.00



#### Testo 580 Data Collector with USB Interface

Collects the data from your loggers and downloads this to PC via the available ComSoft software, without the need to remove loggers from their location. Can also be used to stop and restart the loggers

Part Number 0554 1764

Price £201.00 €261.00



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DATA LOGGERS

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DATA LOGGERS



# Testo Saveris

Wireless Temperature and Humidity Monitoring



Testo Saveris offers an extensive range of radio and Ethernet probes making it a truly flexible temperature and humidity monitoring solution for a wide range of applications. The Saveris software stores data centrally, providing traceability of important quality data.

Applications include:

- Cold food monitoring to ensure HACCP compliance
- Food production, processing and storage environments
- Continuous monitoring of displayed cold foods in cafeterias and restaurants
- Use within transportation and storage of chilled and frozen foods
- Food outlets such as supermarkets, kitchens and specialist retailers

User-friendly features:

- Automatically measures, documents and issues limit value alarms
- Flexible system set-up with wireless or Ethernet probes – up to 150 probes can be connected
- Data can be accessed via the internet
- Automatic creation of PDF reports
- Easy to install and operate

# Testo Saveris

Wireless Temperature and Humidity Monitoring



Testo Saveris can be configured to monitor data from up to 150 radio and Ethernet probes.

For smaller applications the following sets are available:



## Saveris Set 2

Set 2: 868 MHz, consisting of base 0572 0120, 5 NTC radio probes with display 0572 1120, router 0572 0119, 2 mains units for base and router 0554 1096 and SBE software 0572 0180 including USB cable

| Saveris Set 2  | Part Number | Price £  | Price €  |
|----------------|-------------|----------|----------|
| Set 2, 868 MHz | 0572 0111   | 1,597.00 | 2,074.00 |

## Saveris Set 1

Set 1: 868 MHz, consisting of base 0572 0120, 3 NTC radio probes without display 0572 1110, mains unit for base 0554 1096 and SBE software 0572 0180 including USB cable

| Saveris Set 1  | Part Number | Price £  | Price €  |
|----------------|-------------|----------|----------|
| Set 1, 868 MHz | 0572 0110   | 1,151.00 | 1,495.00 |

## Saveris Set 3

Set 3: 868 MHz, consisting of base 0572 0121 including GSM module for SMS alarm, antenna with magnetic base 0554 0524, 5 NTC radio probes with display 0572 1120, router 0572 0119, 2 mains units for base and router 0554 1096 and SBE software 0572 0180 including USB cable

| Saveris Set 3  | Part Number | Price £  | Price €  |
|----------------|-------------|----------|----------|
| Set 3, 868 MHz | 0572 0112   | 1,865.00 | 2,423.00 |

All sets contain everything you need to get started. Additional probes and components can be added. Please see overleaf for full system structure.

# Testo Saveris

## System Structure

A Saveris system can be considerably extended offering connection for up to 150 probes.

A diverse combination of components is possible.

The following numeric restrictions apply for several components:

- Number of directly connected radio probes: max. 15
- Number of directly connected Ethernet probes: max. 150
- Number of routers: max. 15 with a max. of 5 probes per router
- Number of converters: max. 10 with a max. of 15 probes per converter

In total a Base Unit can incorporate 150 radio and Ethernet probes or 254 measurement channels.

### Radio Probes

868 MHz, version without / with display

|  | Part Number | Price £ | Price € |
|--|-------------|---------|---------|
| <b>Without Display</b>                   |             |         |         |
| <b>Saveris T1</b><br>Int. NTC            | 0572 1110   | 134.00  | 174.00  |
| <b>Saveris T2</b><br>Ext. TC. Int. NTC   | 0572 1111   | 169.00  | 220.00  |
| <b>Saveris T3</b><br>2 Ext. TC           | 0572 9112   | 232.00  | 301.00  |
| <b>Saveris Pt</b><br>1 Ext. Pt 100       | 0572 7111   | 232.00  | 302.00  |
| <b>Saveris H3</b><br>Int. NTC %rh        | 0572 6110   | 277.00  | 360.00  |
| <b>With Display</b>                      |             |         |         |
| <b>Saveris T1 D</b><br>Int. NTC          | 0572 1120   | 169.00  | 220.00  |
| <b>Saveris T2 D</b><br>Ext. TC. Int. NTC | 0572 1121   | 205.00  | 267.00  |
| <b>Saveris T3 D</b><br>2 Ext. TC         | 0572 9122   | 268.00  | 349.00  |
| <b>Saveris Pt D</b><br>1 Ext. Pt 100     | 0572 7121   | 268.00  | 349.00  |
| <b>Saveris H3 D</b><br>Int. NTC %rh      | 0572 6120   | 312.00  | 406.00  |

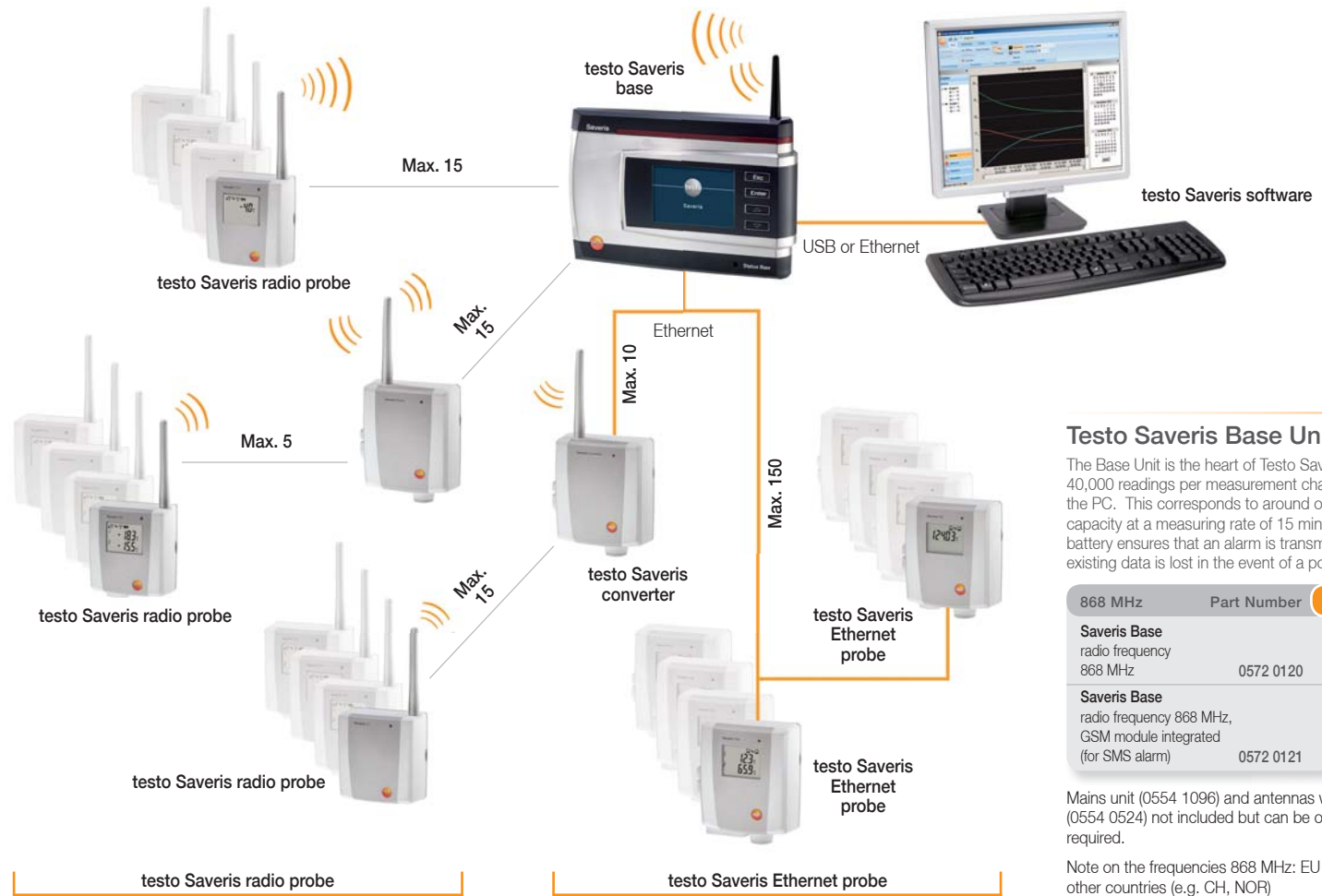
Batteries are included with radio probes.

### Ethernet Probes

| With Display                            | Part Number | Price £ | Price € |
|---|-------------|---------|---------|
| <b>Saveris Pt E</b><br>Ext. Pt 100      | 0572 7191   | 304.00  | 395.00  |
| <b>Saveris H2 E</b><br>Ext. NTC ± 2% rh | 0572 6192   | 339.00  | 441.00  |
| <b>Saveris T4 E</b><br>4 Ext. TC        | 0572 9194   | 402.00  | 522.00  |
| <b>Saveris H1 E</b><br>Ext. NTC ± 1% rh | 0572 6191   | 580.00  | 754.00  |

### Saveris Router and Converter

| 868 MHz   | Part Number | Price £ | Price € |
|---|-------------|---------|---------|
| <b>Saveris Router</b><br>868 MHz, radio transmission medium                             | 0572 0119   | 134.00  | 174.00  |
| <b>Saveris Converter</b><br>868 MHz, converts the radio transmission medium to Ethernet | 0572 0118   | 259.00  | 337.00  |



### Testo Saveris Base Unit

The Base Unit is the heart of Testo Saveris and can save 40,000 readings per measurement channel independent of the PC. This corresponds to around one year of memory capacity at a measuring rate of 15 minutes. An emergency battery ensures that an alarm is transmitted and that no existing data is lost in the event of a power failure

| 868 MHz   | Part Number | Price £ | Price €  |
|---|-------------|---------|----------|
| <b>Saveris Base</b><br>radio frequency 868 MHz  | 0572 0120   | 544.00  | 707.00   |
| <b>Saveris Base</b><br>radio frequency 868 MHz, GSM module integrated (for SMS alarm) | 0572 0121   | 856.00  | 1,112.00 |

Mains unit (0554 1096) and antennas with magnetic base (0554 0524) not included but can be ordered separately if required.

Note on the frequencies 868 MHz: EU countries and certain other countries (e.g. CH, NOR)

## Testo 206

### Compact pH Meters



#### Testo 206-pH1

pH measuring instrument for fast checks on liquids.

- Maintenance-free gel electrolyte
- Built-in temperature probe
- 1, 2 or 3 point calibration possible
- Water-tight, hygienic and dishwasher-proof TopSafe protection case (IP 68)

#### Testo 206-pH2

pH measuring instrument for fast spot checks on semi-solid food, e.g. jelly, cream, meat, cheese.

- Can be used for food containing protein
- Combination: pH penetration top with temperature measurement probe
- Water-tight, hygienic and dishwasher-proof TopSafe protection case (IP 68)

#### Testo 206-pH1 Instrument Set

One-hand pH/°C measuring instrument, pH1 probe head for liquids, storage cap with gel, TopSafe and belt/wall holder

Part Number **0563 2061**

Price **£106.00 €138.00**

#### Testo 206-pH2 Instrument Set

One-hand pH/°C measuring instrument, pH2 probe head for semi-solid substances, storage cap with gel, TopSafe and belt/wall holder

Part Number **0563 2062**

Price **£180.00 €234.00**

#### Technical Data

|                 |              |
|-----------------|--------------|
| Measuring range | 0 to 14 pH   |
| Accuracy        | ± 0.02 pH    |
| ±1 digit        |              |
| Resolution      | 0.01 pH      |
| Sensor type     | pH electrode |
| Battery life    | 80 hours     |

## Testo 205

### Hand-Held T-Bar pH Meter



pH measuring instrument ideal for use in meat processing applications.

- Combined penetration tip with temperature probe
- Maintenance-free gel electrolyte
- pH tip embedded in virtually unbreakable plastic
- Measuring tip can be changed by user
- Automatic full-scale value recognition
- 1, 2 or 3 point calibration possible

#### Testo 205 Instrument Set

On-hand pH/°C measuring instrument with penetration probe, storage cap, belt/wall holder

Part Number **0563 2051**

Price **£210.00 €273.00**

#### Testo 205 Starter Set

On-hand pH/°C measuring instrument with penetration probe, storage cap, gel and calibration bottles (250ml pH 4+7), belt/wall holder and aluminium case

Part Number **0563 2052**

Price **£272.00 €354.00**

#### Technical Data

|                 |              |
|-----------------|--------------|
| Measuring range | 0 to 14 pH   |
| Accuracy        | ± 0.02 pH    |
| ±1 digit        |              |
| Resolution      | 0.01 pH      |
| Sensor type     | pH electrode |
| Battery life    | 80 hours     |

# Testo 265

## Cooking Oil Tester



The quality of cooking oil has a direct influence on both the quality of the food being deep fried, and on cost. Frequently used oil effects taste and can lead to nausea or illness.

Oil which is changed prematurely generates unnecessary costs. The Testo 265 cooking oil tester allows you to effectively carry out checks on the quality of the oil and determine if the limit values are reached.

- Two user-defined quality limit values
- Alarm function: 3 colour LED (green, yellow, red)
- Display: Maximum measurement temperature exceeded - Minimum measurement temperature not reached
- Dishwasher-proof TopSafe protection case
- Calibration adjustment facility
- Back to back testing without the sensor having to cool down

### Technical Data

|                  |  |
|------------------|--|
| Measuring range  | 0.5 to 40 % TPM<br>+40 to +210 °C        |
| Accuracy typical | ± 2.0 % TPM (+40 to +190 °C)<br>± 1.5 °C |
| Resolution       | 0.5 °C                                   |
| Sensor type      | NTC                                      |
| Battery life     | Approx 30 hours                          |

### Testo 265 Set

Testo 265 cooking oil tester including TopSafe protection case, wall holder and sensor protection cap in a top quality aluminium case

Part Number **0563 0265**

Price **£348.00** **€452.00**

| Accessories  | Part Number | Price £ | Price € |
|--|-------------|---------|---------|
| Reference oil for calibrating and adjusting Testo 265, 100ml | 0554 2650   | 9.90    | 13.00   |
| Reference oil, pack of three 100ml bottles                   | 0554 2651   | 27.00   | 36.00   |

# Testo CS Series

## Temperature Calibration Drywells



Easy to use, compact and portable temperature drywells for cost effective calibration of contact and non-contact infrared thermometers.

- Dry block "black body" source (depth 73mm, diameter 32mm)
- 3.5mm port for reference thermometer probe
- Rear access chamber
- Easy to use PID controller
- 6 probe chamber access ports; 1 x 2mm, 2 x 3.5mm, 2 x 5.5mm, 1 x 8.5mm, 80mm immersion depth

### Testo CS171

Testo temperature calibration drywell, +30 °C to +200 °C

Part Number **309516 0150**

Price **£1,056.00** **€1,372.00**

### Technical Data

| Model                    | CS171             | CS172                         |
|--------------------------|-------------------|-------------------------------|
| Measuring range          | +30 °C to +200 °C | 40 °C below ambient to +75 °C |
| Resolution               | 0.1 °C            | 0.1 °C                        |
| Emissivity               | > 0.95            | > 0.95                        |
| Power supply             | 230 V             | 230 V                         |
| Weight (kg)              | 2.6               | 4.7                           |
| Dimension W x D x H (mm) | 130 x 170 x 160   | 210 x 180 x 160               |

### Testo CS172

Testo temperature calibration drywell, 40 °C below ambient to +75 °C

Part Number **309516 0155**

Price **£1,463.00** **€1,900.00**



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# Testo 720

## Reference Thermometer



High accuracy single channel thermometer, ideal for reference against working instruments and accuracy of calibration equipment.

- A wide range of Pt100 and NTC probes available
- Accurate to  $\pm 0.2$  °C
- Optional print out facility
- Audible alarm function
- Continuous display of min/max values
- Hold button
- Backlit display

**Did You Know ?**  
Regular checking of thermometers ensures accurate readings

### Technical Data

|                        | Pt100   | Type NTC  |
|------------------------|---|---|
| Probe type             | Pt100   | Type NTC  |
| Measuring range        | -100 to +800 °C   | -50 to +150 °C  |
| Accuracy $\pm 1$ digit | $\pm 0.2\%$ of mv (+200 to +800 °C)<br>$\pm 0.2$ °C (remaining range) | $\pm 0.2$ °C (-25 to +40 °C)<br>$\pm 0.3$ °C (+40.1 to +80 °C)<br>$\pm 0.4$ °C (+80.1 to +125 °C)<br>$\pm 0.5$ °C (remaining range) |
| Resolution             | 0.1 °C  | 0.1 °C  |
| Sensor type            | Pt100   | NTC   |
| Battery life           | 100 hours   |   |

### Testo 720 Reference Thermometer

Testo 720, 1 channel temperature measuring instrument Pt100/NTC, with battery and calibration protocol

Part Number **0560 7207**

Price **£142.00 €185.00**

### Accessories

|   | Part Number | Price £ | Price € |
|---|-------------|---------|---------|
| Robust waterproof Pt100 immersion/penetration probe  | 0609 1273   | 60.50   | 79.00   |
| Waterproof NTC immersion/penetration probe           | 0613 1212   | 46.00   | 60.00   |
| TopSafe protects instrument from impact and dirt  | 0516 0221   | 18.00   | 24.00   |
| Transport case for instrument and 3 probes  | 0516 0200   | 37.30   | 49.00   |
| Testo infrared printer with paper and batteries   | 0554 0547   | 154.00  | 200.00  |

# Instrument Service and Calibration



Calibrated instruments are needed for HACCP compliance. Testo offers instrument service and calibration, on both Testo and non-Testo branded instruments, from its independently accredited ISO 9001:2000 and ISO 17025 laboratory based in Alton, Hampshire.

The laboratory's capabilities include; temperature, pressure, humidity, air velocity and gas analysis such as CO and CO<sub>2</sub>.

Testo offer a fast and cost effective service with a typical turnaround time of just 5 working days.

Listed below are the most common calibration requirements within the food industry, however please contact our **Calibration Department on 01420 544 433** if you have a requirement not shown below.



| Air, penetration, IR and immersion probes + data loggers | Part Number | Price £ | Price € |
|--|-------------|---------|---------|
| ISO Calibration (-18 °C)                                 | 300520 0056 | 31.90   | 42.00   |
| ISO Calibration (+60 °C)                                 | 300520 0048 | 31.90   | 42.00   |
| ISO Calibration (+120 °C)                                | 300520 0052 | 31.90   | 42.00   |
| ISO Calibration (-18, 0 °C)                              | 300520 0044 | 43.00   | 56.00   |
| ISO Calibration (0, +60 °C)                              | 300520 0072 | 43.00   | 56.00   |
| ISO Calibration (-18, 0, +60 °C)                         | 300520 0042 | 53.90   | 70.00   |
| ISO Calibration (0, +50, +100 °C)                        | 300520 0082 | 53.90   | 70.00   |

| Surface probes                   | Part Number | Price £ | Price € |
|----------------------------------|-------------|---------|---------|
| ISO Surface Calibration (+60 °C) | 300520 0096 | 42.50   | 56.00   |

| Immersion and penetration probes only | Part Number | Price £ | Price € |
|---------------------------------------|-------------|---------|---------|
| UKAS Calibration (-18, 0, +60 °C)     | 300520 0212 | 94.00   | 123.00  |
| UKAS Calibration (0, +50, +100 °C)    | 300520 0214 | 94.00   | 123.00  |

| Air probes and data loggers only | Part Number | Price £ | Price € |
|----------------------------------|-------------|---------|---------|
| UKAS Calibration (0, +50 °C)     | 300520 0218 | 94.00   | 123.00  |
| UKAS Calibration (-20, 0 °C)     | 300520 0224 | 94.00   | 123.00  |



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## How to Order

Ordering couldn't be simpler!

Testo instruments can be purchased from your nearest catering supplies distributor, or alternatively ordered directly from Testo.

Distributor Contact Information:

**testo** Ltd.  
Newman Lane  
Alton, Hants,  
GU34 2QJ

Tel: 01420 544 433  
Fax: 01420 544 434  
Email: [info@testo.co.uk](mailto:info@testo.co.uk)  
Internet: [www.testo.co.uk](http://www.testo.co.uk)

Prices are valid until 31st December 2009 and exclude VAT and carriage. Discounts available for large quantity, please contact our Internal Sales Department for further details.

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