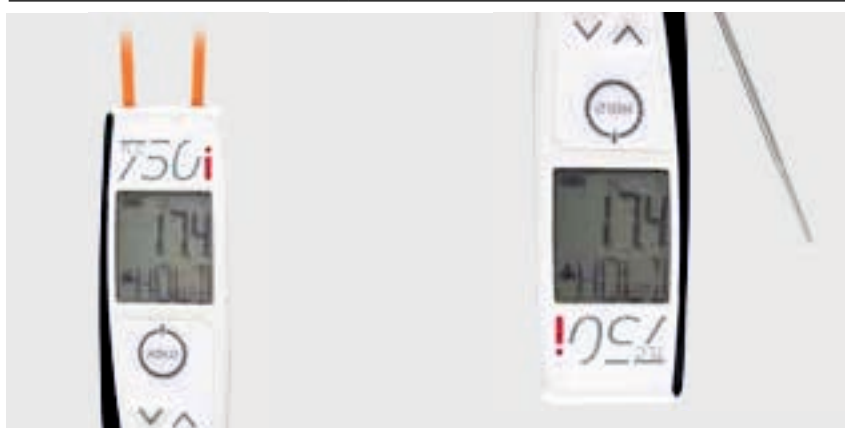


TLC 750i Dual Infrared/Fold-Back Thermometer with foldable penetration probe and infrared sensor



Technical Data

Measurement range	-50 °C ... +250 °C (-58 °F ... 482 °F)
Accuracy infrared	±4 °C at -50 °C ... -30.1 °C (±7.2 °F at -58 °F ... -22 °F) ±2.5 °C at -30 °C ... -18.1 °C (±4.5 °F at -22 °F ... -0.4 °F) ±1.5 °C at -18 °C ... -0.1 °C (±2.7 °F at -0.4 °F ... 32 °F) ±1.0 °C at 0 °C ... +65 °C (±1.8 °F at 32 °F ... 149 °F) ±2.0 °C or 2 % at +65 °C ... +250 °C (±3.6 °F at 149 °F ... 482 °F)
Accuracy penetration probe	±0.5 °C at -30 °C ... +99.9 °C (±0.9 °F at -22 °F ... 212 °F) ±1 °C (±2 °F) or 1 % for the remaining measurement range (whichever is larger)
Resolution	0.1 °C / 0.2 °F
Distance : Spot ratio	8:1
Sensor	Thermocouple type T
Operating temperature	-25 °C ... +50 °C (-13 °F ... 122 °F)
Storage temperature	-30 °C ... +70 °C (-40 °F ... 158 °F)
Battery	2 x AAA (Micro), user replaceable
Battery lifetime	Approximately 15 h of continuous use
Dimensions (L x W x H)	169.5 x 44x23 mm (without probe), needle length= 100 mm
Housing material	ABS
Weight	Approximately 140 g
Protection class	IP 65
Automatic deactivation	Automatically after 15 seconds, deactivatable
Certificate	Factory calibration certificate



Surface temperature measurement

Core temperature measurement

- Display with backlight for reading in dark environments
- Color ring can be changed in order to assign the device to a person, department or application
- Display can be upside down for reading from both sides
- Double laser pointer

The new TLC 750i is the successor of our top selling product: the TLC 730. Improvements were made mostly at the usability. On the one hand the new display with backlight allows for reading of the measurement in dark environments. On the other hand the display can be upside down: depending on how you hold the device, you can read it from the one or the other side. This is particularly handy when using the penetration probe - no contorted movements while reading any more!

Approximately available from Q3 2017

Type	Description	Part No.
TLC 750i	Dual Infrared / Fold-Back Thermometer	1340-5736

TLC 730 Dual Infrared/Fold-Back Thermometer with foldable penetration probe and infrared sensor



The device has been certified together with the EB 4401 food inspection case (please see page 167).

- Double laser pointer
- Including drill for the measurement of frozen food
- Visible and audible alarm upon exceeding/shortfall of limit value

Technical Data

Measurement range	-50 °C ... +350 °C (-58 °F ... 662 °F)
Accuracy infrared	±4 °C at -50 °C ... -30.1 °C (±7.2 °F at -58 °F ... -22 °F) ±2.5 °C at -30 °C ... -18.1 °C (±4.5 °F at -22 °F ... -0.4 °F) ±1.5 °C at -18 °C ... -0.1 °C (±2.7 °F at -0.4 °F ... 32 °F) ±1.0 °C at 0 °C ... +65 °C (±1.8 °F at 32 °F ... 149 °F) ±2.0 °C or 2 % at +65 °C ... +350 °C (±3.6 °F at 149 °F ... 662 °F)
Accuracy penetration probe	±0.5 °C at -18 °C ... +120 °C (±0.9 °F at -0.4 °F ... 248 °F) ±1 °C (±2 °F) or 1 % for the remaining measurement range (whichever is larger)
Resolution	0.1 °C / 0.2 °F
Sensor	Thermocouple type K
Operating temperature	-25 °C ... +50 °C (-13 °F ... 122 °F)
Storage temperature	-40 °C ... +70 °C (-40 °F ... 158 °F)
Battery	2 x AAA (Micro), user replaceable
Battery lifetime	Approximately 15 h of continuous use
Dimensions (L x W x H)	48 x 24 x 172 mm (without probe), needle length = 100 mm
Housing material	ABS
Weight	Approximately 140 g
Protection class	IP 65
Automatic deactivation	Automatically after 15 seconds, deactivatable
Certificate	Factory calibration certificate

Type	Description	Part No.
TLC 730	Dual Infrared / Fold-Back Thermometer	1340-5730

TLC 1598 Precision Fold-Back Thermometer with foldable Pt 1000 penetration probe and high accuracy



- High accuracy of ±0.3 °C
- Short response time
- Approximately 4 years battery life time

Technical Data

Measurement range	-50 °C ... +200 °C (-58 °F ... 392 °F)
Accuracy	±0.3 °C (±0.5 °F)
Resolution	0.1 °C (0.2 °F)
Sensor	Pt 1000
Response time (t ₉₉)	8 s (water)
Operating temperature	0 °C ... +50 °C (32 °F ... 122 °F)
Storage temperature	-10 °C ... +60 °C (14 °F ... 140 °F)
Display	LCD 9 mm
Battery	3.6 V lithium
Battery lifetime	Approximately 4 years
Dimensions (L x W x H)	44 x 18 x 158 mm, L = 105 mm
Housing material	ABS
Weight	Approximately 70 g
Protection class	IP 54
Certificate	3-point factory calibration

Type	Description	Part No.
TLC 1598	Precision Fold-Back Thermometer	1340-1620

TLC 700 Basic Fold-Back Thermometer with foldable penetration probe



- Small size easily fits in a pocket
- Waterproof housing (IP 65)
- Color ring can be changed in order to assign the device to a person, department or application

Technical Data

Temperature measurement range	-30 °C ... +220 °C (-22 °F ... +428 °F)
Accuracy	±0.5 °C (at -30 °C ... +100 °C), ±1.0 % for the remaining measurement range
Resolution	0.1 °C
Operating temperature	-25 °C ... +50 °C (-13 °F ... +122 °F)
Battery	Lithium button cell (CR 2032)
Dimensions (L x W x H)	118 x 33 x 15 mm, needle length = 70 mm
Certificate	Factory calibration certificate

Type	Description	Part No.
TLC 700	Folding Thermometer	1340-5735

Accessories for Folding Thermometers



AG 700 Color ring change set



AG 190 Drill for frozen food for TLC 730

Type	Description	Part No.
AG 121	Nylon bag for TLC 1598	1341-0624
AG 190	Drill for frozen food for TLC 700, TLC 730 and TLC 1598	1341-3834
AG 700	Color ring change set for TLC 700	1341-5735

Non-contact temperature measurement with infrared technology

On the next pages you will find various infrared thermometers for non-contact surface temperature measurements. The infrared thermometers are suitable for measurements wherever direct contact is impossible or impractical. ebro also offers models that measure not only the surface temperature but also the relative humidity or the core temperature by means of an external probe.

