

# Non-contact temperature measurement – With memory and site management

## testo 860-T2

testo 860-T2, the non-contact thermometer with new laser technology. The 60:1 focus is also suitable for measurements over long distances.

- Internal data memory (100 pos.) with location management
- Alarm function, audible and visual
- Contact probe can be connected
- User-defined emissivity from 0.10 to 1.00

## testo 860-T3

testo 860-T3 with its close focus (50:1) creates a 6mm wide spot at a distance of 0.3m.



Contact probe can be connected

Materials table (default emissivities)

Monitoring a conveyor belt in a chocolate factory

**testo 860-T2 , 3 point laser**

**With standard focus (60:1)**  
Infrared thermometer with standard focus, incl. transport case and batteries  
**Part no. 0560 8602**

**testo 860-T3 , 3 point laser**

**With close focus (50:1)**  
Infrared thermometer with close focus, incl. transport case and batteries  
**Part no. 0560 8603**

**testo 860-T2 Professional Set**

Measuring instrument, fast action surface probe for contact measurement to 500°C, Windows compatible software, RS 232 computer cable, plug-in power unit, transport case  
**Part no. 0563 8602**

**Professional set: testo 860-T3**

Thermometer with close focus, fast-action surface probe for contact measurement to 500°C, Windows-compatible software, RS 232 computer cable, plug-in power unit, transport case  
**Part no. 0563 8603**

Technical data	
Meas. range	-30 to +900 °C
Accuracy	±0.75% of mv (+75 to +900 °C) ±1 digit ±0.75 °C (-4.9 to +74.9 °C) ±2 °C (-30 to -5 °C)
Resolution	0.1 °C (-30 to +900 °C)
Reaction time	0.25 s
Oper. temp.	0 to +45 °C
Storage temp.	-20 to +50 °C
Battery life	10 h
Oper. humidity	+10 to +95 %RH
Dimensions	200 x 170 x 50 mm
Weight	480 g
Reproducibility: ±0.5% of reading or ±1 °C, the larger value applies Spectral sensitivity: 8 to 14 μm	

Description	Meas. range	Part no.
Quick-action surface probe with spring-loaded thermocouple, also for rough surfaces, measuring range short-term up to 500°C	-60 to +300 °C	0602 0392
Quick-action surface probe, bent, with sprung thermocouple strip, also for rough surfaces, measuring range short-term up to +500°C	-60 to +300 °C	0602 0992

Accessories Ordering data	Part no.
230 V mains unit (Euro plug), For mains operation of testo 860-T2/T3	0554 0861
Software, Windows compatible, for convenient data analysis	0554 0860
PC connection cable, RS 232, for testo 860 T2-/T3	0409 0861
Analog cable for testo 860, connection cable for flatbed recorder or data logger	0409 0860
Adhesive tape e.g. for polished surfaces (roll, 10 m long, 25 mm wide), E = 0.93, temperature resistant up to +300°C	0554 0051
ISO calibration certificate/Temperature, Infrared thermometer; calibration points +60°C; +120°C; +180°C	0520 0002
ISO calibration certificate/Temperature, Thermometers with surface probe; calibration points +60°C; +120°C; +180°C	0520 0071

**Spot size and distance from object being measured**

Standard focus 860-T2

Spot size 35:1 in far field \*) Distance: Spot size 60:1 at focus point

**Spot size and distance from object being measured**

Close focus CF (Close Focus) 860-T3

Spot size 12:1 in far field \*) Distance: Spot size 50:1 at focus point