

# Data logger modules for monitoring environmental parameters

## testo 150

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Automated, uninterrupted and loss-free measurement data recording in a regulated GxP environment

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Combinable with Testo communication modules for measurement data transfer by WLAN, Ethernet or testo UltraRange technology

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GxP-compliant alarms and documentation

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Efficient monitoring thanks to connection of up to four sensors

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Certified according to DIN EN 12830:2018

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Double alarms of limit value violations directly on the logger

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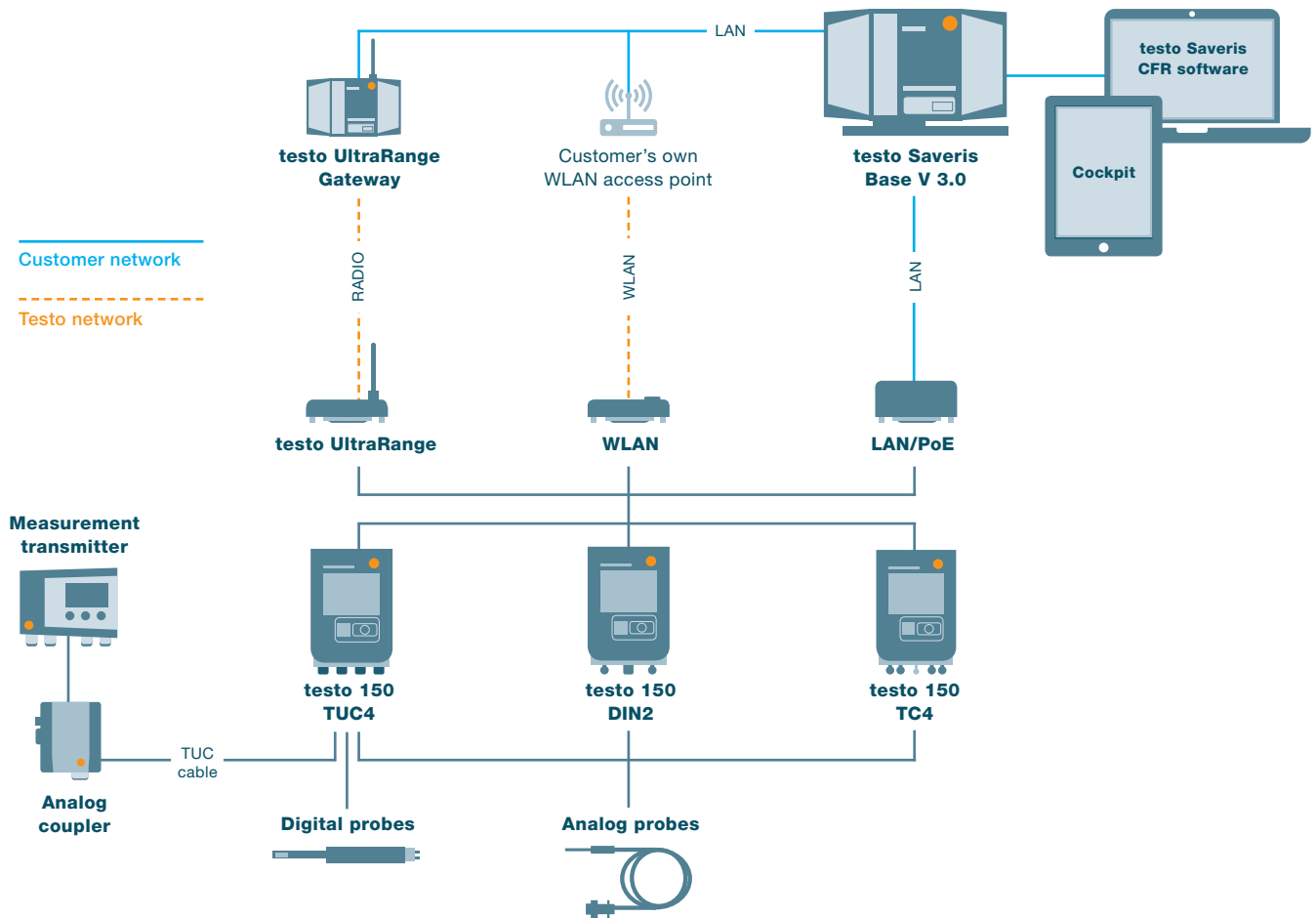
The three testo 150 data logger modules are a part of the testo Saveris measurement data monitoring system, and allow the secure, simple and efficient monitoring of critical environmental parameters according to the strictest GxP guidelines.

- **testo 150 TUC4** (four connections for digital sensors): Probe exchange and calibration during continuing operation, independently of the data logger module.
- **testo 150 TC4** (four connections for thermocouples): Ideal for industrial applications and measurement of extreme conditions.
- **testo 150 DIN2** (four connections for standard probes): Allows the use of the Testo probe range, covering all applications.

Via the measurement data management software testo Saveris CFR software + Cockpit, all data logger modules provide you with alarms when limit values are violated.

Thanks to their modular concept, the testo 150 data logger modules can be integrated into any existing communication infrastructure (WLAN, LAN). The optional testo UltraRange long-distance wireless technology allows the self-sufficient and secure transfer of measurement values over long distances.

## System overview



## Ordering data

### testo 150 TUC4

Data logger module with display and 4 connections for all Testo sensors with TUC connector.  
Incl. wall bracket, batteries and calibration protocol.

Order no. 0572 3320



### testo 150 DIN2

Data logger module with display and 2 connections for temperature sensors with miniDIN connector.  
Incl. wall bracket, batteries and calibration protocol.

Order no. 0572 3340



### testo 150 TC4

Data logger module with display and 4 connections for thermocouples.  
Incl. wall bracket, batteries and calibration protocol.

Order no. 0572 3330



## Accessories

Accessories	Order no.
L91 Energizer batteries	0515 0572
Mains unit & USB cable for testo 150	0572 5004
4 x AIMn battery LR 6 (alkali manganese mignon AA)	0515 0414
Magnetic wall bracket	0554 2001
Communication modules	Order no.
LAN/PoE communication module	0554 9330
WLAN communication module	0554 9320
testo UltraRange communication module region Europe	0554 9311 01
testo UltraRange communication module region Americas	0554 9312 01
testo UltraRange communication module China	0554 9313 01
testo UltraRange communication module region APAC	0554 9314 01

## Technical data

	testo 150 TUC4	testo 150 TC4	testo 150 DIN2
<b>Display</b>			
Display type	Segment display		
Display functions	Display of 2 measurement channels, limit value violations, connection status, signal strength, battery status, display deactivatable		
<b>Physical specifications</b>			
Housing material	PC/PET (front) ABS+PC+10% GF/PET (rear)		
Dimensions (W x H x L)	69.3 x 88.0 x 29.0 mm	69.3 x 89.3 x 29.0 mm	69.3 x 87.9 x 29.0 mm
Measuring range	Analog (NTC): -40 to +150 °C Digital: See probes	1. TC Type K: -200 to +1350 °C 2. TC Type J: -100 to +750 °C 3 TC Type T: -200 to +400 °C	NTC: -40 to +150 °C PT100 (with external probe): -200 to +600 °C
Accuracy (±1 digit)	Analog (NTC): ±0.3 °C Digital: See probes	± (0.5 °C + 0.5% of reading)	NTC: ±0,3 °C Pt100: ±0.1 °C (0 to +60 °C) ±0.2 °C (-100 to +200 °C) ±0.5 °C (other measuring ranges)
Resolution	Analog (NTC): 0.1 °C / 0.1 °F Digital: See probes	0.1 °C	NTC: 0.1 °C / 0.1 °F Pt100: 0.01 °C / 0.01 °F
Weight	Approx. 255 g		
IP protection class	IP 67 & IP 65 (with attached testo UltraRange and WLAN communication module), IP 30 (Ethernet) (each without probe)		
<b>Operating and storage conditions</b>			
Storage temperature	-40 to +60 °C		
Operating temperature	-40 to +50 °C		
<b>Power</b>			
Power supply	optionally via mains unit & micro USB (0572 5004)		
Battery type	4 x AA alkaline manganese batteries At temperatures under +10 °C, the use of Energizer LI batteries is recommended (0515 0572)		
Battery life	testo UltraRange: up to 3.5 years WLAN: 2 years (1 h communication cycle, 15 min measurement, +25 °C, 1 digital NTC probe connected)	testo UltraRange: up to 5 years WLAN: 2.5 years (1 h communication cycle, 15 min measurement, +25 °C, 1 Type K probe connected)	testo UltraRange: up to 6.5 years WLAN: 3 years (1 h communication cycle, 15 min measurement, +25°C, 1 analog NTC probe connected)
<b>Interfaces</b>			
Connections	4x TUC Micro USB TCI (testo Communication Interface)	4x thermocouple (Type K, J, T) Micro USB TCI (testo Communication Interface)	2x miniDIN Micro USB TCI (testo Communication Interface)
<b>Measurement data storage</b>			
Measuring interval	5 s to 24 h (WLAN or Ethernet communication) 1 min to 24 h (testo UltraRange radio)		
Channels	16	4	2
Internal store (per channel)	min. 16,000 readings	min. 64,000 readings	min. 128,000 readings
Communication cycle	5 s to 24 h (Ethernet communication) 1 min to 24 h (testo UltraRange radio or WLAN)		
<b>Other</b>			
Wall bracket	Included		

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Subject to change, including technical modifications.



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