

TESTO 310

Flue gas analyser O₂, CO₂, CO, HPA, QA, °C



Flue gas analysis the easy way

The new flue gas analyzer testo 310 combines simple functions with a high level of measurement accuracy, and is therefore perfectly suited to all basic measurements on a heating system.

Long battery lifetimes of up to ten hours guarantee high availability. Its easy handling and compact design make the testo 310 a robust tool for day-to-day work as required on site thanks to the infrared interface printer specially developed for the testo 310. The current measurement value can be printed out from all measurement menus, either during or after the measurement. The testo 310 offers all advantages of electronic flue gas measurement in high quality at a perfect cost/benefit ratio.

- Durable, reliable and easy to use with no downtime
- Record keeping is accurate and easy with automatic event logging
- Exceptionally low cost of ownership
- User-selectable alarm setpoints (5/10 or 10/15) on the H2S, 2 year model

ROBUST

Robust and light instrument for daily use – ideal even for tough and dirty surroundings.

BACKLIT DISPLAY

Two-line display and clear menu structure. Simple to operate and easy to read.

FAST SENSOR ZEROING

Automatic zeroing of gas sensor in only 30 seconds after starting up, which can be cancelled if not required.

BATTERY LONGEVITY

Operation with a Lithium rechargeable battery (1500 mAh) – no change of battery necessary, up to ten hours running time, charging via USB connection possible.

PROBE FILTER

Can be changed quickly and easily.

ATTACHMENT

Integrated magnets for easy attachment to the burner.

CONDENSATE TRAP

Integrated condensate trap – can be emptied very quickly and easily.

PRINTER

Documentation via infrared printer.

KEY FEATURES

- Robust design for daily use
- Battery lifetime up to 10 hours
- Integrated measurement menus: Flue gas, draught, ambient CO and pressure
- Fast sensor zeroing in only 30 seconds
- Illuminated display
- Documentation of measurement results via printer with infrared interface

TESTO 310

	Measurement range	Accuracy ± 1 digit	Resolution	Adjustment time t ₉₀
Temperature (flue gas)	0 to +400 °C	± 1 °C (0 to +100 °C) $\pm 1.5\%$ of mv (>100 °C)	0.1 °C	< 50 s
Temperature (ambient temperature)	-20 to +100.0 °C	± 1 °C	0.1 °C	< 50 s
Draught measurement	-20 to +20 hPa	± 0.03 hPa (-3.00 to +3.00 hPa) $\pm 1.5\%$ of mv (remaining range)	0.01 hPa	-
Pressure measurement	-40 to 40 hPa	± 0.5 hPa	0.1 hPa	-
O ₂ measurement	0 to 21 Vol. %	± 0.2 Vol. %	0.1 Vol. %	30 s
CO measurement (with-out H ₂ compensation)	0 to 4000 ppm	± 20 ppm (0 to 400 ppm) $\pm 5\%$ of mv (401 to 2000 ppm) $\pm 10\%$ of mv (2001 to 4000 ppm)	1 ppm	60 s
Ambient CO measurement	0 to 4000 ppm	± 20 ppm (0 to 400 ppm) $\pm 5\%$ of mv (401 to 2000 ppm) $\pm 10\%$ of mv (2001 to 4000 ppm)	1 ppm	60 s
Efficiency (ETA)	0 to 120 %	-	0.1%	-
Flue gas loss	0 to 99.9%	-	0.1%	-

SPECIFICATIONS Specifications subject to change without notice

Storage Temp:	-20 to +50 °C
Operational Temp:	-5 to +45 °C
Power Supply:	Battery: 1500 mAh, mains unit 5V/1A
Display:	Backlit 2-line display
Weight with Probe:	Approx. 700 g
Dimensions:	201 x 83 x 44 mm
Warranty:	Measuring instrument, flue gas probe, gas sensors: 24 months Thermocouple: 12 months Battery: 12 months
Part Number:	<p>73-3100 - Testo 310 Flue Gas Set: testo 310 incl. battery and calibration protocol for the measurement of O₂, CO, hPa and °C; probe 180 mm with cone; case; mains unit incl. cable; silicon hose for pressure measurement; particle filter 5 off.</p> <p>73-3101 - Testo 310 Flue Gas Set with Printer: testo 310 incl. battery and calibration protocol for the measurement of O₂, CO, hPa and °C; IR printer (0554 3100); probe 180 mm with cone; case; mains unit incl. cable; silicon hose for pressure measurement; particle filter 5 off; 2 rolls spare thermal paper for printer.</p>



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