

Flue gas analyser

testo 327-1: trusted and reliable flue gas measurement

Simple menu structure

4-line segment display with LED illumination

Fast and robust probe connection

7 selectable fuels

Timed Ambient CO measurement

Tightness and let-by tests

Flow and return temperatures

Easy IR printout

4,000ppm CO sensor protected by automatic pump shut-off

Tested to EN50379, conforms to BS7967 & Gas Safe TB143



testo 327-1 - the reliable and trusted analyser

The testo 327-1 is the entry measuring instrument for flue gas analysis. It measures combustion efficiency, °C, O₂, CO₂, CO and flue draught.

A dual wall O₂ measurement as well as an ambient CO measurement are also possible. The powerful LED backlighting in the 4-line display guarantees good legibility even in poor lighting. The measuring instrument stands out thanks to its ergonomic housing design as well as its durability (IP40). The integrated sensor and instrument diagnosis offers security and guarantees high availability of the instrument.

The testo 327-1 is tested to EN50379, and also conforms to BS7967 and Gas Safe TB143. The single integrated flue gas and thermocouple connector of the testo 327-1 ensures a fast, gas tight connection to the sample hose every time. The testo 327-1 also has automatic pump protection as standard to help protect the CO measuring cell from damage due to over-range (4,000ppm range capability).



The "second skin" is integrated into the instrument design and protects from impact and shock during tough everyday use



Excellent display clearness even in unfavourable lighting conditions



Stable probes filter particles before they get into gas paths



Fast probe connection: All gas paths are connected with one "click"



Latest Li-ion rechargeable batteries



Built-in condensate trap

testo 327-1

The testo 327-1 provides best quality and value for flue gas analysis and much more. It measures combustion efficiency, °C, O₂, CO₂, CO and flue draught. The strong LED background light in the 4 line display guarantees an easy-to-read display even lighting conditions are unfavourable. The analyser stands out on account of its easy menu navigation and ergonomic housing as well as its durability.



testo 327-1 Standard Kit

Contents

- testo 327-1 flue gas analyser and calibration protocol
- Rechargeable battery
- Flue gas probe (180mm x 6mm diameter)
- Soft transport case

Order no: 0563 3203 80



testo 327-1 Advanced Kit

Contents

- testo 327-1 flue gas analyser and calibration protocol
- Rechargeable battery
- Flue gas probe (180mm x 6mm diameter)
- Pressure hose adapter kit
- Differential temperature kit
- testo infrared printer (0554 0549)
- Soft transport case

Order no: 0563 3203 81



testo 327-1 flue gas analyser

Technical data

Temperature measurement	-40 to +600 °C
Draught measurement	±40 mbar
Efficiency measurement (Eta)	0 to 120%
Flue gas loss (qA)	0 to 99.9%
O ₂ measurement	0 to 21 Vol. %
CO ₂ measurement	0 to CO ₂ max
CO measurement	0 to 4000 ppm
Pressure measurement	-200..+200 mbar

Storage temperature	-20 to +50 °C
Operating temperature	-5 to +45 °C
Power supply	via Li-Ion rechargeable battery
Battery life	> 5 h
Weight	Approx. 500 g
Dimensions	216 x 68 x 47 mm
Warranty	2 years on instrument 3 years on O ₂ & CO sensors 1 year on battery and thermocouple

- Easy menu navigation
- 4 line segment display
- LED display light
- Easy IR printout
- Built-in condensate trap
- EN 50379 Part 2 for O₂, °C, mbar
- EN 50379 Part 3 for CO
- Li-ion rechargeable battery
- Fast probe connection using single probe plug
- Ambient CO measurement using flue gas probe
- Differential temperature measurement
- Flue draught and differential pressure measurement
- Timed ambient CO measurement
- Tightness and let-by tests
- 7 fuels available in menu

Accessories

Order no.

Mains unit international 100-240 V AC / 6,3V DC for mains operation or battery charging in instrument for mains operation or battery charging in instrument	0554 1096
Testo fast printer IRDA with wireless infrared interface; 1 roll thermal paper; 4 AA batteries	0554 0549
Spare thermal paper for printer (6 rolls)	0554 0568
testo manual smoke pump for testing oil fired boilers	300554 0307
Hose connection set for separate gas pressure measurement testo 327 / testo 330-LL	0554 1203
Differential temperature set consisting of 2 clamp probes and thermocouple adapter	0554 7223
Spare particle filter, 10 off	0554 0040
Spare soot filter paper; 8 paper rolls	0554 0146
CPA1 Probe Set: Includes B2 angled probe, B1 gas cooker probe, hose connector, silicone hose, gas pressure controller and gas leak detector	300554 1000



Probes

Order no.

Flue gas probe compact; length 180 mm; Ø 6 mm; Tmax. 500 °C; probe stop; NiCr-Ni thermocouple, 2.2 m hose and particle filter included	0600 9740
Flue gas probe compact; length 300 mm; Ø 6 mm; Tmax. 500 °C; probe stop; NiCr-Ni thermocouple, 2.2 m hose and particle filter included	0600 9741
Combustion air temperature probe, immersion depth 190 mm	0600 9787
Combustion air temperature probe, immersion depth 60 mm	0600 9797
Dual wall clearance probe for O ₂ supply air measurement	0632 1260

01/2020. Subject to change without notice. Shipping costs & VAT not included.