

We measure it.



# Flue gas analyser

**testo 327 – The special class entry instrument**

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Simple menu structure

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4-line segment display with LED illumination

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Fast, single-plug probe connection

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8 selectable fuels

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Life expectancy of sensors up to 3 years

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Easy IR printout

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Memory for 20 measurement values in testo 327-2

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Li-Ionen rech. battery (2,400 mAh), life 10 hours

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TÜV-tested according to 1. BImSchV / EN 50379

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## testo 327-1

### The starter instrument for flue gas analysis

- Contains all basic functions such as combustive effectivity, flue gas loss, O<sub>2</sub>, CO<sub>2</sub>, CO and flue draught
- Robust and protected from impact by Elastomer protection class
- Easy operational structure and procedure
- Ideal handling thanks to easy menu structure and ergonomic housing
- Stable measurement value within 30 sec.
- Compatible with the entire probe range of testo 330
- Low weight (ca. 500 g)
- TÜV-geprüft nach 1. BImSchV / EN 50379 Teil 2 für O<sub>2</sub>, °C, hPa und Teil 3 für CO



testo 327-1 is your introductory instrument to flue gas analysis. It measures combustion efficiency, °C, O<sub>2</sub>, CO<sub>2</sub>, CO and flue draught. The strong LED background light in the 4 line display guarantees an easy-to-read display even if

lighting conditions are unfavourable. The analyser stands out on account of its easy menu navigation and ergonomic housing as well as its durability.

## testo 327-2

### The service instrument for flue gas analysis

#### The additional functions of the testo 327-2

- Bluetooth wireless transfer (optional)
- IR & IRDA interface for easy readout of data to PC, printer or Pocket PC
- Life expectancy of the measurement cells up to 3 years
- Security thanks to instrument and sensor diagnosis
- Differential temperature measurement
- Differential pressure measurement with 2 measuring ranges
- Memory for 20 measurements
- Li-ion rechargeable battery (2,400 mA), life 10 Std.
- CO measurement with H<sub>2</sub>-compensation (optional)
- TÜV-tested according to 1. BImSchV / EN 50379 Part 2 for O<sub>2</sub>, °C, hPa and CO with H<sub>2</sub>-compensation



Bluetooth wireless transfer (optional)



H<sub>2</sub>-compensated CO measurement cell for official testing according to EN norm 50379-2 (optional)



Additional differential pressure measurement up to 200 mbar



Powerful Li-ion rechargeable battery with 10-hour lifetime with pump running

testo 327-2 is the convenient service instrument for flue gas analysis. The measurement cell has a lifetime of up to 3 years. The status diagnosis of wearing- and service-parts offers higher planning security in the conduction of

measurements. testo 327-2 can optionally be equipped with a CO measurement cell, in order to conduct official tests according to EN 50379-2.

# Flue gas analyser testo 327-1

## testo 327-1

testo 327-1 flue gas analyser, incl. rech. battery and calibration protocol; measures O<sub>2</sub>, CO, hPa, °C

Part no. 0632 3201



### Technical data

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

## testo 327-1 CO

testo 327-1 CO flue gas analyser, incl. rech. battery and calibration protocol; measures CO, hPa, °C

Part no. 0632 3204

### General technical data

Storage temp.	-20 to +50 °C
Oper. temp.	-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, probes and gas sensors 1 year on thermocouple and rechargeable battery (wearing parts excluded)

## testo 327-1 O<sub>2</sub>

testo 327-1 O<sub>2</sub> flue gas analyser, rech. battery and calibration protocol; measures O<sub>2</sub>, hPa, °C

Part no. 0632 3203

## testo 327-1 Basic Set for heating and installation technicians

testo 327-1 flue gas set basic for heating fitters and installation technicians, incl. rech. batteries and calibration protocol; mains unit 100-240 V for mains operation or battery charging in instrument; compact flue gas probe, length 180 mm, Ø 6 mm; combustion air temperature probe, length 190 mm, fast printer with wireless infrared interface; instrument cleaner 100 ml, basic system case instrument, probes and accessories

Part no. 0563 3203 70



Illustration may differ from original

- Easy menu navigation
- 4 line segment display
- LED display light
- Easy IR printout
- Built-in condensate trap
- TÜV By RgG 253 acc. to 1. BImSchV
- EN 50379 Part 2 for O<sub>2</sub>, °C, hPa
- EN 50379 Part 3 for CO
- Small Li-ion rechargeable battery (1200 mA, lifetime of 5 h) can be recharged inside or outside instrument
- Fast probe connection using single probe plug
- Ambient CO measurement using flue gas probe
- O<sub>2</sub> dual wall measurement (can be stored)
- Separate AT temperature measurement
- Undiluted CO measurement (can be stored)
- Draught measurement
- 6-8 fuels (country-specific (e.g. UK=6))
- IP 40



# Flue gas analyser testo 327-2

### testo 327-2

testo 327-2 flue gas analyser, incl. rech. battery and calibration protocol; measures O<sub>2</sub>, CO, hPa, °C

Part no. 0632 3202





### testo 327-2 Set for heating fitters

testo 327-2 flue gas set service for heating fitters, incl. rech. battery and calibration protocol; including option: CO-H<sub>2</sub> measurement; mains unit 100-240 V for mains operation or battery charging in instrument; modular flue gas probe, length 300 mm, Ø 8 mm, TÜV approval; combustion air temperature probe, length 190 mm; hose connection set for separate gas pressure measurement; fast printer wireless infrared interface; flexible probe shaft, length 300 mm, Ø 10 mm, Tmax. 180 °C; instrument cleaner, 100 ml; basic system case for instrument, probes and accessories

Part no. 0563 3202 70

Illustration may differ from original



Technical data	
Temperature measurement	-40 to +600 °C
Draught measurement	±40 hPa
Efficiency measurement (Eta)	0 to 120%
Pressure measurement	±200 hPa
Flue gas loss (qA)	0 to 99.9%
O <sub>2</sub> measurement	0 to 21 Vol. %
CO <sub>2</sub> measurement	0 to CO <sub>2</sub> max
CO measurement	0 to 4000 ppm
Option CO measurement (H <sub>2</sub> -compensated)	0 to 8000 ppm

General technical data	
Storage temp.	-20 to +50 °C
Oper. temp.	-5 to +45 °C
Power supply	via Li-ion rechargeable battery
Battery life	> 10 h
Weight	Approx. 500 g
Dimensions	216 x 68 x 47 mm
Warranty	2 years on instrument, probes and gas sensors 1 year on thermocouple and rechargeable battery (wearing parts excluded)

- Life expectancy of gas sensors up to 3 years
- Assurance thanks to instrument and sensor diagnosis
- IR and IRDA interface for easy reading out of data to printer or Pocket PC
- BLUETOOTH® wireless transfer (optional)
- Delta T measurement
- Delta P measurement: 2 measurement ranges
- Store (20 readings)

- Li-ion rechargeable battery (2,400 mA), 10 hr lifetime
- TÜV By RgG 254 acc. to 1. BlmSchV
- CO option with H<sub>2</sub> compensation
- Official test in accordance with EN standard 50379-2 for °C; O<sub>2</sub>, hPa, Part 3 for CO
- Optional Part 2 for CO with H<sub>2</sub> compensation



\*Country permits: The BLUETOOTH® wireless module used by Testo has permits for the following listed countries, and can only be used in those countries, i. e. BLUETOOTH® wireless transfer may not be used in any other country! Europe including all EU member states: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden and Turkey; European countries (EFTA): Iceland, Liechtenstein, Norway and Switzerland; Non-European countries: Ukraine, Colombia and El Salvador.