



# Compact analyser for electronic flue gas analysis



- Prints
- Probes
- Diff. temperature



With testo 325, Testo is offering an affordable introduction to professional flue gas analysis. testo 325 is the ideal instrument for quick and accurate adjustment of burners. Up to now many different instruments were necessary. Now only one compact analyser is required and its user-friendly operation is leading the way.



Adjustment of gas flow pressure in a gas heater (adjustment values in natural gas: 20-25 mbar)

- Prints readings with date and time
- Measures flow/return temperature with display of differential temperature
- Magnetic SoftCase protects from dirt and impact
- TÜV approval TÜV By RgG 188



Fine adjustment of the flow and return temperature in floor heating using a clamp probe

## testo 325-2

### O2, draught, °C measurement

testo 325-2, flue gas analyser, incl. batteries and calibration protocol

Part no. 0563 0330

## testo 325-3

### Set, CO, draught, °C measurement

testo 325-3, flue gas analyser, incl. flue gas probe; 180mm long, case, batteries and calibration protocol

Part no. 0563 0340

## Suitable probes at a glance

Description	Illustration	Part no.
Compact flue gas probe, 180 mm immersion depth incl. probe stop for positioning, NiCr-Ni thermocouple up to +500°C, 1.5 m hose		0600 9544
Compact flue gas probe, 300 mm immersion depth incl. probe stop for positioning, NiCr-Ni thermocouple up to +500°C, 1.5 m hose		0600 9542
TÜV approved flue gas probe, 180 mm immersion depth, corresponding to the latest instrument test guidelines for measurements on atmospheric gas systems, 2.2 m hose		0600 9543

Description	Illustration	Meas. range	Accuracy	199	Conn.	Part no.
Clamp probe for measurements on pipes, pipe diameter 15 to 25 mm (max. 1"), meas. range short-term up to +130°C		-50... +100 °C	Class 2	5 s	Fixed cable	0602 4692
Pipe wrap probe with Velcro strip, for temperature measurement on pipes with diameter up to max. 120 mm, Tmax +120°C		0... +120 °C	Class 1	90 s	Fixed cable	0628 0020
Quick-action surface probe with sprung thermocouple strip, also for rough surfaces, measuring range short-term up to 500°C		-60... +300 °C	Class 2	3 s	Fixed cable	0602 0392
Ambient air probe, immersion depth 190 mm, with probe stop, magnetic clip, Tmax +100°C, for ambient air temperature measurement in systems which are dependent on/independent of ambient air		0... +100 °C				0600 9788
Mini ambient air probe, immersion depth 60 mm, with probe stop, magnetic clip, Tmax +100 °C, for dual wall clearance temperature meas. in systems dependent on ambient air		0... +100 °C		30 s		0600 9798

## Practical accessories and recommended sets



Testo printer  
Prints readings on location

Part no. 0554 0545



SoftCase made of plastic with magnetic plate, carrier strap  
Protects instrument from dirt and impact  
Part no. 0516 2570



**NEW** System case for measuring instrument, probe and accessories, easily attached to other cases

Part no. 0516 0326



Smoke tester with oil, soot sheet for measuring soot in flue gas

Part no. 0554 0307

### testo 325-2, Basic Set for basic setting on oil furnaces

testo 325-2, flue gas analyser, incl. batteries and calibration protocol

Mains unit 230 V/ 8 V/ 1 A, for instrument (European plug)

Compact flue gas probe, 180 mm immersion depth incl. probe stop for positioning, NiCr-Ni thermocouple up to +500°C, 1.5 m hose

SoftCase made of plastic with magnetic plate, carrier strap

Transport case (plastic) for instrument, probes and accessories

### Ordering data for Accessories

#### Part no.

Mains unit 230 V/ 8 V/ 1 A, for instrument (European plug)	0554 1084
Recharger for instrument and printer (with 4 standard rech. batteries) Rechargeable batteries are recharged externally	0554 0110
SoftCase made of plastic with magnetic plate, carrier strap Protects instrument from dirt and impact	0516 2570
TopSafe (indestructible protection case) IP 42, incl. magnetic plate, carrier strap Protects instrument from dirt, moisture and impact	0516 0444
Testo printer with 1 roll of thermal paper and 4 AA size batteries Prints readings on location	0554 0545
Spare thermal paper for printer (6 rolls)	0554 0569
Spare thermal paper for printer (6 rolls) Measurement data documentation legible for up to 10 years	0554 0568
Smoke tester with oil, soot sheet for measuring soot in flue gas	0554 0307
Filter paper to determine smoke number 40 strips for approx. 200 measurements	0554 0308
Hose connection set, incl. silicone hose and connection adapter For separate gas pressure measurement	0554 0315
Spare CO measuring cell (incl. NO filter) for testo 325-3	0390 0168
Spare O <sub>2</sub> measuring cell for testo 325-2 Measuring cell can be quickly and easily changed by the user	0390 0069
Spare particle filter (10 off)	0554 0040
Transport case (plastic) for instrument, probes and accessories For safe and orderly storage	0516 3250
Alu. case for analyser, probe and acc. Probes in lid make it easy to find parts in case	0516 0325
<b>NEW</b> System case for measuring instrument, probe and accessories, easily attached to other cases	0516 0326
<b>NEW</b> Tools system case with tools bag without contents, attachable to system case 0516 0326	0516 0329
<b>NEW</b> Product line system case with small plastic boxes without contents, attachable to system case 0516 0326	0516 0328
<b>NEW</b> Universal system case without sections, attachable to system case 0516 0326	0516 0331
<b>ISO calibration certificate/Flue gas</b>	0520 0003
Calibration points 2.5% O <sub>2</sub> ; 100 and 1000 ppm CO; 800 ppm NO; 80 ppm NO <sub>2</sub> ; 1000 ppm SO <sub>2</sub>	
<b>ISO calibration certificate/CO</b>	0520 0039
CO probes; calibration points 0; 80 ppm	

### Technical data

Probe type	Type K (NiCr-Ni)	Piezoresistive pressure sensor	Efficiency	
Meas. range	-40... +600 °C	-40... +40 hPa	0... +120 %	
Accuracy ± 1 digit	±0.5% of mv (+100... +600 °C) ±0.5 °C (0... +99.9 °C)	±1.5% of mv (+3... +40 hPa) ±0.03 hPa (-40... +3 hPa)		
Resolution	0.1 °C (-40... +600 °C)	0.01 hPa (-40... +40 hPa)	0.1 % (0... +120 %)	
Probe type	Electrochemical	Calc. parameter	Electrochemical	
Meas. range	0... +21 Vol. % O <sub>2</sub>	0... CO <sub>2</sub> max Vol. % CO <sub>2</sub>	0... +2000 ppm CO	
Accuracy ± 1 digit	±0.2 Vol. % O <sub>2</sub> (0... +21 Vol. % O <sub>2</sub> )	±0.2 Vol. % CO <sub>2</sub>	±5% of mv (+401... +2000 ppm CO) ±20 ppm CO (0... +400 ppm CO)	
Resolution	0.1 Vol. % O <sub>2</sub> (0... +21 Vol. % O <sub>2</sub> )	0.01 Vol. % CO <sub>2</sub>	1 ppm CO (0... +2000 ppm CO)	
Display	LCD, 2 lines		Temperature: Sensor	
Oper. temp.	+4... +45 °C		Thermocouple Type K according to DIN IEC 584, Part 2	
Storage temp.	-20... +50 °C		CO <sub>2</sub> meas.: dig. calculation from O <sub>2</sub>	
Power supply	Battery/Rechargeable battery		CO meas.: (H <sub>2</sub> level less than 10%); Reaction time I90: max. 60, typical 40 s	
Battery type	4 AA batteries		Warranty:	
Battery life	4 h		Measuring instrument: 2 years (excluding working parts e.g. measuring cells)	
Dimensions	216x68x47 mm		CO measuring cell: 1/2 year	
Weight	500 g		O <sub>2</sub> measuring cell: 1 year	
Warranty	2 years		Power supply: Batteries, mains unit or rechargeables	

°C

hPa

% qA

 Vol. %  
O<sub>2</sub>

 Vol. %  
CO<sub>2</sub>

 ppm  
CO

 $\lambda$ 
 $\Delta P$ 

effg

effn