



testo 325-I • SO₂/NO/CO_{low}/CO_{high}

Cost effective measurement and documentation of industrial flue gas



Prints readings with date and time on site

CO_{low}

CO_{high}

SO₂



Probe and hose allow easy sampling

NO



Large, user-friendly displays and keypad



Easy to service water trap

Affordable single gas analysers for SO₂, NO, CO_{low}, CO_{high}



A choice of 4 versions

The new testo 325-I is your first step to affordable flue gas measurement in industry.

4 single gas analysers are available for SO₂, NO, CO_{low} (up to 2,000 ppm) or CO_{high} (up to 40,000 ppm).

Examples of applications

- testo 325-I SO₂**
 Checks emissions in coal and heavy oil burners, monitors flue gas desulphurisation systems and monitors processes in the glass and ceramics industry.
- testo 325-I NO**
 Checks emissions in engines and burners, checks DeNO_x systems/catalysts, adjusts flue gas feedback for NO_x reduction
- testo 325-I CO_{low}**
 Checks emissions and adjusts gas burners, localises air leaks in long flue gas paths
- testo 325-I CO_{high}**
 Checks the atmosphere of thermal processes (funnel furnaces, hardening furnaces, smelting and annealing). Adjusts process burners.

Practical and efficient

testo 325-I combines a high level of precision with easy handling and low costs. The ideal partner for checking emissions and for monitoring thermal processes.

Technical data

	testo 325-I SO ₂	testo 325-I NO	testo 325-I CO _{low}	testo 325-I CO _{high}
Meas. range	0 to 3000 ppm	0 to 1000 ppm	0 to 2000 ppm	20 to 40,000 ppm
Accuracy	Up to 400 ppm: <20ppm > 400 ppm: < 5% of m.v.	Up to 400 ppm: < 20 ppm > 400 ppm: < 5% of m.v.	Up to 400 ppm: < 20 ppm > 400 ppm: < 5% of m.v.	Up to 800 ppm: < 40 ppm Up to 2000 ppm: < 5% of m.v. > 2000 ppm: < 10% of m.v.
Reaction time t₉₀	< 80 s	< 60s	< 60s	< 70s
Resolution	1 ppm	1 ppm	1 ppm	3 ppm From 10,000 ppm: 0.001 vol.%

Analyser:

Max. neg. pressure in flue gas:	50 mbar
Weight:	Approx. 500 g
Dimensions:	216 x 68 x 47 mm
Transport/storage temperature:	-20 to +50 °C
Operating temperature:	+4 to +45 °C
Power supply:	Batteries (4 x AA) or mains operation via external power unit
Battery lifetime:	> 4 h
Housing material:	ABS
Warranty:	2 years (excluding working parts, measuring cells)

Sampling probe:

Flue gas probe: sampling probe:	300 mm long, 6 mm in diameter
Application temperature:	max. +500 °C
Hose length:	3 m (Tygon® material in SO ₂ version)
Warranty:	1 year
Other warranty times:	
Measuring cells:	6 months
Accessories:	6 months
Printer:	1 year (excluding printing mechanism)

How it functions

A small amount of flue gas is extracted via the sampling probe with a 3 m long hose (included in set). The gas is dehumidified in the integrated and detachable condensate trap and is then delivered to the analyser. Dust and dirt particles are held back by the replaceable filter. The prepared gas is then pumped to the sensor.

The sensor is an electrochemical measuring cell with a long lifetime of 2-3 years. Exhausted measuring cells can be changed on site without test gases by the user, keeping service costs low.

The readings are constantly shown on the display for as long as the pump operates. The reading is printed with date and time at the touch of a button on the cordless printer.

You can order by fax, mail or telephone

Simply copy this page, enter the quantity required and return to us by fax or mail. Do not forget to include your name and address.

Qty.	Ordering data	Part no.
	SO₂ set includes testo 325-I SO ₂ analyser and sampling probe (with Tygon® hose) (with batteries, instruction manual), calibration protocol	0563.3260
	NO set includes testo 325-I NO analyser and sampling probe (with batteries, instruction manual), calibration protocol	0563.3261
	CO set (low) includes testo 325-I CO _{low} analyser and sampling probe (with batteries, instruction manual), calibration protocol	0563.3262
	CO set (high) includes testo 325-I CO _{high} analyser and sampling probe (with batteries, instruction manual), calibration protocol	0563.3263
	Sealing cone with knurled screw for sampling probe	0554.9050
	Affordable Testo printer for cordless printing via infrared; with batteries and instruction manual	0554.0545
	Spare paper (6 rolls)	0554.0569
	Sampling probe 700 mm long, 8 mm diameter, with cone, T _{max} +1000°C, also suitable for SO ₂ measurement (hose length: 3.0 m, with PTFE inner core)	0699.3451/3
	Flexible flue gas probe , specially for measuring motor emissions, T _{max} +500°C, 3 m hose, max. immersion depth: 235 mm, flexible range: 160 mm	0600.9640
	SoftCase for analyser, with magnet and carrier straps	0516.2570
	Plastic case for transport and storage of analyser and accessories	0516.3250
	Particle filter for testo 325-I (pack of 10 spares)	0554.0040
	Mains unit for analyser, for mains operation (230 V)	0554.0054

Subject to change without notice.

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