Be sure. testo

External sample gas conditioner

The high-performance Peltier sample gas conditioner extends the application range of the testo 340 and testo 350

- Reduction of flue gas moisture resulting in improved accuracy & sensor life
- Rugged and designed for long life by using high quality acid resistant materials
- Small, lightweight & efficient with sophisticated gas path
- Fast operation thanks to easy connection and start-up
- Extremely portable by using your rechargeable power-bank or powered with AC power supply

The new external sample gas conditioner from Testo makes the analysis of very humid exhaust gas more precise and efficient. Gas cooler can be connected to the testo 340 and testo 350.

This device allows the testo analyzers to be used in more application such as: wet scrubbers, raw materials heating (asphalt, drying, etc), or in high ambient humidity locations. The Peltier chiller quickly cools the wet gas stream which results in the water vapor condensing and collecting in the trap.

Since the water vapor is removed from the gas path, the measured values are not diluted. This results in a better, more representative measurement. Controlled moisture removal also minimizes the potential for reactive gases, such as NO2 and SO2, to be absorbed into wetted lines.

The condensate is collected and drained by opening the closure clip. For true portability, use DC power from a standard portable power-bank. Alternatively, use the AC power suppy for continuous use.

Technical data

External sample gas conditioner

External sample gas conditioner,
adapter cable for powerbank,
2 x rubber bands for fixing powerbank,
chain for attaching external sample gas conditioner or exhaust gas analyzer,
carrying bag, instruction manual

Order no. 0554 3501

Dimensions (W x H x D)	4 in x 22 in x 2 3/4in
Max. positive pressure in exhaust gas	Observe measuring instrument limits
Max. negative pressure in exhaust gas	Observe measuring instrument limits
Through-flow from ... to	Dependent on measuring instrument
Storage temperature	-4 to +122 °F
Operating temperature	+23 to +122 °F
Weight	1.2 lbs
External voltage supply	Power supply 0554 8808 (5 V / 4 A)
Minimum requirements of powerbank	USB 5 V min 3 A output
Protection class	IP 30
Cooling temperature	Standard temperature -18 °F (min. 18 °F below surroundings)
Entry dewpoint	Max. -18 °F dewpoint change
Measurement duration (until condensate trap needs to be emptied)	2 h (at +140 °F entry dewpoint and 1 l/min for testo 350) 3 h (at +113 °F entry dewpoint and 1 l/min for testo 350)

For precise SO_2 measurements, we recommend using the SO_2 low set*

SO_2 low set unheated, consisting of: SO_2 low sensor, measuring range 0 to 200 ppm, resolution 0.1 ppm, special SO_2 low gas sampling probe, probe shaft length 735 mm, Tmax. probe shaft 220 °C, hose length 2.35 m, Ø probe shaft 8 mm, incl. cone, thermocouple NiCr-N (TI)	0563 1251	
Spare thermocouple	0430 0053	
Spare SO_2 sensor	0393 0251	

*available for testo 350

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