

testo 350 - Boiler & Burner Testing Kit

Part No. 400563 3512



- testo 350 Control Unit and Analyzer Box
- Sensors in Kit: O₂, CO, NO, NO₂
- Bluetooth 2.0 communication
- Internal memory to 250,000 readings
- Advanced sensor temperature compensation
- Multiple temperature measurement (stack, sensor, ambient)
- Sample flow rate monitoring (EPA compliant)
- Auto CO over-range protection
- Thermoelectric sample conditioner with condensate removal pump
- Fresh air valve for automatic programs and long term testing
- Differential pressure measurement
- USB connection
- AC power cable
- Automatic calculations: CO₂, efficiency, excess air, loss, O₂, reference for corrected emission values
- 13" sampling probe (932 °F max) with 7' hose
- Extra particle filters
- 6' data bus communication cable
- easyEmission software
- Rugged case



Example of a typical testo 350 kit.

	Other Upgrades & Accessories	Part Number
Sensors	CO low (0-500pm, 0.1ppm resolution, H ₂ compensated)	0554 2102
	NO low (0-300ppm, 0.1ppm resolution)	0554 2152
	CO ₂ (NDIR) 0 - 50%	0554 2400
	HC 400 ppm - 4% (min O ₂ required)	0554 2300
	SO ₂ (0-5,000ppm, 1ppm resolution)	0554 2250
	H ₂ S (0-300ppm, 0.1ppm resolution)	0554 2350
Probes & Hoses	Hose extension - 9 feet each (Ability to add five additional for sampling up to 53')	0554 1202
	High temperature (1832 °F) 28" standard probe with hose	Upgrade adder
	Pitot tube options available for velocity measurement	Call for details
Industrial Probes	Kit: 39" probe 2,200 °F, non-heated adapter (handle), 13' Teflon-lined hose	400600 7810
	More industrial probe and heated hose options available	See industrial probe kits
Communication Documentation	16' communication cable	0049 0076
	65' communication cable	0049 0077
	IR printer	0554 0549
	Bluetooth fast printer (300' range)	0554 0553
	Extra printing paper (10 year legibility)	0554 0568
Power	DC power kit (11-40V opt.) w/ battery clamp cable	Call for part numbers
Cases	Pelican case with foam insert (400516 3516)	Upgrade adder
	Storm case for 28" probe with wheels	Upgrade adder
Cal Gas Kits	Cal Kits available for selection on website or call for prices (www.test350.com/calibration.html)	Call for details
Multi-Port Testing	testo 350 Analyzer Box - Connect up for 16 analyzers simultaneously w/ CANBUS system	Call for details

Sensors in Kit:	Range:
O ₂	0-25%
CO	0-10,000 ppm
NO	0-4,000 ppm
NO ₂	0-500 ppm



testo 350 - Burner and Boiler Applications

- Optimize fuel efficiency and reduce emissions
- Identify and troubleshoot bad burners, inlet air, or fuel delivery problems
- Find O₂ leaks in the flue gas paths or back pass
- Characterize and troubleshoot air infiltration problems
- Tune ammonia injection systems using NO_x measurements
- Perform emission monitoring for state and federal agencies

testo 350 benefits for industrial applications:

- Wireless Bluetooth control (to 300 feet) increases response time by reducing sample hose length
- The variable output sample pump adjusts to conditions (high draft or high particulate loading)
- CO sensor protection - when a high concentration is detected, the CO purge will activate and the other sensors continue to measure
- Integrated gas conditioning removes condensate from sample to protect sensors and deliver dry basis data (required by EPA)



Use it for local, state, and federal testing:

EPA CTM 030 & 034

ASTM - D6522

EPA 7E

SCAQMD - 1110.2 & 1146

Probes:

- Lengths from 1 to 9 feet. Optional ceramic or sinter filters for high particulate loading
- Standard stainless steel (932 °F) to high temp ceramic (3,200 °F)
- Thermocouples from 3 to 9 feet with max temp to 1,832 °F

Hoses

- Hoses - all of them Teflon lined - provides the best sample integrity and fast sensor response
- Sample hose, extensions to 53' long
- Optional heated sample lines

easyEmission software:

- Data logging and report generation
- Operate all analyzer functions completely via laptop
- Calculate mass emissions (lbs/hr & ton/year) automatically using a pitot tube
- Download data to Excel

Multi-port testing:

- For SCR tuning, use easyEmission to operate up to 16 analyzers simultaneously
- Use NO_x to adjust the ammonia injection



Multi-port testing for better combustion control. Sometimes a single sample location is just not enough. Connect (BUS) two analyzers together for faster testing and a better understanding of pre and post-catalyst performance.