

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 NOx 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)

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 NOx to adjust the ammonia injection



Use it for local, state, and federal testing:
 EPA CTM 030 & 034
 ASTM - D6522
 EPA 7E
 SCAQMD - 1110.2 & 1146



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.