

testo 350 - Kits for Engine Testing

Part No. 400563 3513

- testo 350 Control Unit & Analyzer Box
- Sensors in Kit: O₂, *CO, NO, NO₂
- (Dilution system extends sensor range (2x, 5x, 10x, 20x, 40x)
- 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 gas conditioning 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 engine probe (1832 °F max) with 16 foot Teflon-lined hose, no thermocouple
- Extra particle filters
- 6' data bus communication cable
- easyEmission software
- Calibration certificate
- Rugged case



Example of a typical testo 350 kit.

	Other Upgrades & Accessories	Part Number
Multi-Port Testing (EPA ZZZZ)	Two testo 350 Analyzer Boxes (for simultaneous pre and post catalyst testing)	Call for details
Sensors	HC 400 ppm - 4% (min O ₂ required, i.e., diesel or lean burn) CO ₂ (NDIR) 0 - 50% SO ₂ , H ₂ S, low range sensors	0554 2300 0554 2400 Call for details
Gas Engine Probes & Hoses	Hose extension - 9' (max 2 extensions, plus standard hose=25' length) High temperature standard probe with 7' hose Thermocouple w/ 17' lead w/ heat resist handle	0554 1202 Upgrade adder 0600 8895
Diesel Engine Probe	Engine probe with sintered filter (for diesels) including 16 foot hose	Upgrade Adder
Industrial Probes	Kit: 39" probe 2,200 °F, non-heated adapter, 13' Teflon-lined hose More industrial probe and heated hose options available	400600 7810 See industrial probe kits
Communication Documentation	16' communication cable 65' communication cable IR printer Bluetooth fast printer Extra printing paper (10 year legibility)	0049 0076 0049 0077 0554 0549 0554 0553 0554 0568
Power	DC power kit (11-40V opt.) w/ battery clamp cable	Call for part numbers
Cases	Pelican case with foam insert (400516 3515) Pelican case with custom foam, telescoping pull handle and wheels (400516 3516) Storm Case for 28" probe with wheels (4000516 3512)	Upgrade adder Upgrade adder Upgrade adder

Sensors in Kit:	Range:
O ₂	0-25%
CO*	0-10,000 ppm
NO	0-4,000 ppm
NO ₂	0-500 ppm
* (Dilution system extends sensor range (2x, 5x, 10x, 20x, 40x), and CO to 400,000 ppm)	

testo 350 - Engine Applications

- Measure emission according to state and federal protocols (i.e EPA 7E, CTM-030, CTM-034, Quad Z testing, Quad J testing, ASTM-06522)
- For tuning, maintenance, and compliance level testing
- Diagnose combustion problems on both rich and lean burn engines.
- Set up on air fuel ratio (AFR) controllers (ie. O2 trim)
- Performance testing on catalysts (3-way and oxidation)

testo 350 benefits for engine testing:

- The variable output sample pump automatically controls sample flow rate for EPA accuracy
- Integrated gas conditioning protects sensors and delivers EPA quality dry basis data
- Patented dilution system extends sensor ranges and provide a true CO measurement with H₂ compensation
- Simple menu-driven field calibration

Probes:

- Designed for engine testing and includes high pressure relief for right or left cylinder testing
- Sinter filters for high particulate loading on diesel engines

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 connection
- Calculate mass emissions (gm/bhp/hr) automatically using pre-defined or custom report templates
- Download data to Excel

Multi-port testing:

- Display side-by-side Pre and Post Catalyst measurements on hand-held display
- For SCRs, use NO_x to adjust the ammonia injection
- Data log measurements in easyEmissions



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.