

# testo 350 - Kits for Engine Testing

Part No. 400563 3513

Kit Price: For pricing, please contact Testo at 1-800-227-0729 or info@testo.com

- testo 350 Control Unit & Analyzer Box
- Sensors in Kit: O<sub>2</sub>, \*CO, NO, NO<sub>2</sub>
- 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: CO<sub>2</sub>, efficiency, excess air, loss, O<sub>2</sub> 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.

For more kit configurations, visit: [www.testo350.com](http://www.testo350.com)

	Other Upgrades & Accessories	Part Number
<b>Multi-Port Testing (EPA ZZZZ)</b>	Two testo 350 Analyzer Box (for simultaneous pre and post catalyst testing)	Call for details
<b>Sensors</b>	HC 400 ppm - 4% (min O <sub>2</sub> required, i.e., diesel or lean burn) CO <sub>2</sub> (NDIR) 0 - 50% SO <sub>2</sub> , H <sub>2</sub> S, low range sensors	0554 2300 0554 2400 Call for details
<b>Gas Engine Probes &amp; Hoses</b>	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
<b>Diesel Engine Probe</b>	Engine probe with sintered filter (for diesels) including 16 foot hose	Upgrade Adder
<b>Industrial Probes</b>	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
<b>Communication Documentation</b>	16' communication cable 65' communication cable IR printer Extra printing paper (10 year legibility)	0049 0076 0049 0077 0554 0549 0554 0568
<b>Software</b>	TECsoft: Testing & Emissions Compliance Software	Upgrade Adder
<b>Power</b>	DC power kit (11-40V opt.) w/ battery clamp cable	Call for part numbers
<b>Cases</b>	Pelican case with foam insert (400516 3515) Pelican case with custom foam, telescoping pull handle and wheels (400513 3516) Storm Case for 28" probe with wheels (400516 3512)	Upgrade Adder Upgrade Adder Upgrade Adder
<b>Cal Gas Kits</b>	Cal Kits available for selection on website or call for prices ( <a href="http://www.test350.com/calibration.html">www.test350.com/calibration.html</a> )	Call for details
<b>More</b>	<b>For more options contact your distributor, or Testo at 800-227-0729</b>	

Sensors in Kit:	Range:
O <sub>2</sub>	0-25%
CO*	0-10,000 ppm
NO	0-4,000 ppm
NO <sub>2</sub>	0-500 ppm

\* (Dilution system extends sensor range (2x, 5x, 10x, 20x, 40x) to 400,000 ppm)

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## testo 350 - Engine applications

- Measure emissions 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. O<sub>2</sub> 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 delivers EPA quality dry basis data
- Patented dilution system extends sensor ranges and provides a true CO measurement with H<sub>2</sub> Compensation
- Simple menu-driven field calibration



Use it for local, state and federal testing:

- EPA CTM 030 & 034
- ASTM - D6522
- EPA 7E
- SCAQMD - 1110.2 & 1146

## 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

## Software: easyEmission

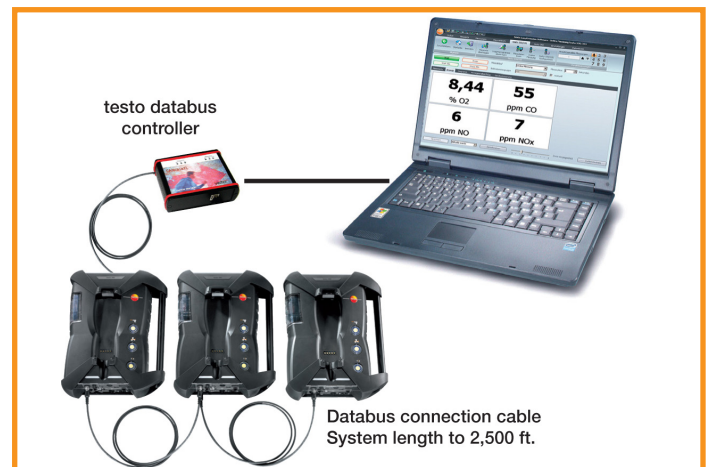
- Data logging and report generation
- Operate all analyzer functions completely via laptop connection

## Software Upgrade: TECsoft

- Generate emission reports
- Perform pre and post calibration, span and zero drift checks
- Organize and save data into Microsoft Excel formats

## Multi-port testing

- Display side by side Pre and Post Catalyst measurements on hand held display
- For SCRs, use NO<sub>x</sub> to adjust the ammonia injection
- Data log measurements in easyEmissions



**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.

**See first hand how we can make your combustion testing more efficient.  
Call 800-227-0729 to schedule a demonstration today**