testo 310.
Fully featured.
Priced right.
Right the first time - every time.
The testo 310 residential combustion analyzer represents a new class of instruments for Testo and provides exceptional value and expanded capabilities in combustion testing. The 310 sets a new standard in reliable combustion tuning with its rugged housing, simple design and advanced sensor technology.

The easy-to-read backlit display shows more measurements which provides a more complete picture of the combustion process. Simple top-of-display icons show you the current measurement functions. After only 30 seconds the 310 is ready to test.

Fully featured - for better testing and tuning.
- O₂, CO (w/ NOx filters standard), CO₂
- Draft & Pressure
- Temperature (flue & ambient)
- Combustion efficiency & excess air
- Undiluted CO (CO air free)
- Ambient CO

Simple to use with reliable results.
The testo 310 eliminates the need for look up charts and the purchase and disposal of expensive chemicals. The kink-resistant hose is integrated into the housing to eliminate leaks. The stainless steel probe and cone-stop is perfect for residential furnace, boiler and water heater applications. With five different fuels to select from, it provides the flexibility you need for your tuning opportunities.

Faster, productive - tune ups, maintenance, and more...
Whether you need to perform basic or more complex combustion tuning, perform maintenance or safety checks, or install new combustion units, the fully featured testo 310 delivers more combustion parameters. Use the 310 for accurate heating adjustment so you can get it right the first time - every time.
Rugged by design
The testo 310 can stand up to the toughest job site.

Bright backlit display
Five-line backlit display with two-line readout and easy-to-navigate menu structure.

10 hour battery life
Work all day with lithium rechargeable battery technology.

Quick exchange probe filter
Protect the instrument’s measurement accuracy with replacement filters.

Powerful magnets
Powerful magnets on the 310’s housing allows for hands-free operation.

Condensate trap
Quick and easy emptying of the integrated condensate trap.

Wireless printer with integrated magnets
For professional job site documentation.

More features...more productive.
testo 310 combustion kits and accessories.

**testo 310 combustion analyzer kit**
Includes: analyzer, battery, sensors, probe w/ cone, hose, silicon tubing (for pressure), extra particulate filters (5), AC power supply (USB), pressure plugs (5), calibration certificate, & case.

Order no. 0563 3100

**testo 310 combustion analyzer kit with printer**
Includes: all items in kit as shown above (0563 3100) plus IR printer (0554 3100), & 2 rolls of thermal paper.

Order no. 0563 3110

### Technical data

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Measuring range</th>
<th>Accuracy</th>
<th>Parameter</th>
<th>Measuring range</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>O₂</td>
<td>0 to 21 vol.%</td>
<td>±0.2 vol.%</td>
<td>CO₂</td>
<td>0 - CO₂ max</td>
<td>calculated</td>
</tr>
<tr>
<td>CO (w/ NOx filter)</td>
<td>0 to 4000 ppm</td>
<td>±20 ppm (0 to 400 ppm)</td>
<td>Efficiency</td>
<td>0 - 100%</td>
<td>calculated</td>
</tr>
<tr>
<td></td>
<td>±1.5% of reading (400 to 2000 ppm)</td>
<td>±10% of reading (2000 to 4000 ppm)</td>
<td>Excess Air (EXA)</td>
<td>0 - 100%</td>
<td>calculated</td>
</tr>
<tr>
<td>Ambient CO</td>
<td>0 to 4000 ppm</td>
<td>±20 ppm (0 to 400 ppm)</td>
<td>CO Undiluted (U CO) or (CO Airfree)</td>
<td>0 - 4000 ppm</td>
<td>calculated</td>
</tr>
<tr>
<td></td>
<td>±1.5% of reading (400 to 2000 ppm)</td>
<td>±20% of reading (2000 to 4000 ppm)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Temperature</td>
<td>32° to 752 °F (0° to 400 °C)</td>
<td>±2 °F (32° to 212 °F)</td>
<td>Selectable fuels</td>
<td>natural gas; propane; fuel oil 2; bio heat 5; wood (w/ 20% moisture)</td>
<td></td>
</tr>
<tr>
<td>- Combustion</td>
<td></td>
<td>±1.5% of reading (&gt;100 °F)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Draft</td>
<td>-8 to +8 °H₂O</td>
<td>±0.01 °H₂O</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pressure</td>
<td>-16 to +16 °H₂O</td>
<td>±0.2 °H₂O</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Product kits**
- testo 310 combustion analyzer kit 0563 3100
- testo 310 combustion analyzer kit with printer 0563 3110

**Accessories**
- USB power supply incl. cable 0554 1105
- Testo IR printer 0554 3100
- Testo fast printer IRDA 0554 0549
- Spare thermal paper (six rolls) 0554 0568
- Spare particle filter 0554 0040

**Power**
10 hour - Lithium Ion - rechargeable

**Size/Weight**
7.9 x 3.2 x 1.7 in./approx. 1.5 lbs.

**Storage Temp.**
-4° to 122 °F

**Operating Temp.**
23° to 113 °F

**Warranty**
24 mos. - instrument, sensors, probe
12 mos. - thermocouple, rechargeable battery