For reliable measurements using testo 340 and testo 350, even in the harshest of conditions.

Rugged probes for industrial emissions measurements.
Introduction

The handy, easy-to-use testo 340 and testo 350 emission analyzers are suitable for a wide range of flue gas measurements. Their compact design, robust construction and reliable technology make them ideal tools for commissioning, servicing and maintenance work as well as for control measurements - whether this involves industrial burners, stationary industrial engines, gas turbines, thermal processes, or compliance testing.

Flue gas analysis in industrial installations often needs to be carried out in extreme conditions, involving high temperatures, high humidity or a high dust content in the flue gas, for example. Emission applications are resource- and energy-intensive processes, during which lots of harmful emissions such as carbon monoxide (CO), carbon dioxide (CO₂), nitrogen oxides (NOₓ) or sulphur dioxide (SO₂) are produced.

These emissions are subject to stringent environmental protection regulations, and need to be measured directly within the stack’s flue gas stream in order to ensure compliance with the permit values.

Testo has developed a wide range of innovative flue gas probes specifically to cope with these extreme conditions. All of these can be used in combination with the tried-and-tested testo 340 and testo 350 emission analyzers.

This brochure contains an overview of suitable accessories and examples of typical applications, and offers a presentation of the many flue gas probes offered by Testo.
Contents

The Testo probe concept 4

For universal applications – modular flue gas probes 6

For high pressure – flue gas probes for industrial engines 8

For low sulphur dioxide levels – SO₂ low probe kit 9

Accessories for gas sampling probes 11

Overview – industrial gas sampling probes 13

For the harshest conditions – industrial probe kit 2192 °F (1200 °C) 14

For extreme heat – industrial probe kit 3272 °F (1800 °C) 16

Accessories for industrial gas sampling probes 18
Rugged probes for industrial emissions measurements

The Testo probe concept
For a wide variety of applications in flue gas analysis

The probes for the testo 340/testo 350 provide reliable and accurate measurements, even when the applications involve extremely high temperatures, aggressive condensate, high dust concentrations, or mechanical stress. Created by professionals for professionals.

Modular flue gas probes
The standard gas sampling probes are available for different temperature ranges 932 °F / 1832 °F (+500 °C / +1000 °C), in different lengths 13 in. / 28 in. (335 mm / 700 mm) and even with a pre-filter for dusty flue gas.

For more information, please see P. 6

Flue gas probes for industrial engines
The gas sampling probes for industrial engines are particularly suitable for carrying out measurements on stationary industrial engines (e.g. gas/diesel engines). The probes are available for temperatures up to 1832 °F (+1000 °C), in a length of 13 inch (335 mm) and also with an optional pre-filter Ø 9/16 inch (Ø 14 mm). The overpressure in the flue gas is relieved via a 16 foot (4 m) hose.

For more information, please see P. 7/8

SO₂ low probes
The unheated or heated SO₂ low kit is particularly suitable for carrying out measurements following flue gas after-treatment (e.g. scrubbers), in order to be able to determine the effectiveness in reducing SO₂ concentrations. For example, measurements are taken of the SO₂ concentration in the crude gas and in the clean gas.

For more information, please see P. 9/10

Industrial gas sampling probes
The unheated or heated industrial gas sampling probe is used for measurements involving high temperatures, high dust loads or wet flue gas. The probes are available for temperatures up to 1112 °F, 2192 °F, and 3272 °F (+600 °C, +1200 °C and +1800 °C), in a length of 39 inches (1 m).

For more information, please see P. 13-17
## Application range for the flue gas probes

<table>
<thead>
<tr>
<th>Application</th>
<th>Modular flue gas probes</th>
<th>Flue gas probes for industrial engines</th>
<th>SO₂ low probe kit</th>
<th>Industrial gas sampling probes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>without pre-filter</td>
<td>with pre-filter</td>
<td>without pre-filter</td>
<td>with pre-filter</td>
</tr>
<tr>
<td>Service measurement on industrial engines</td>
<td>–</td>
<td>–</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Service measurement on industrial burners</td>
<td>✓</td>
<td>✓</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Service measurement on gas turbines</td>
<td>✓ 28 in. (700 mm)</td>
<td>✓ 28 in. (700 mm)</td>
<td>✓ ***</td>
<td>✓ ***</td>
</tr>
<tr>
<td>Analysis of thermal processes</td>
<td>✓</td>
<td>✓</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Official emissions measurement / compliance testing</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Service measurement on flue gas after-treatment systems</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Measurement of low SO₂ concentrations</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

* The application range for the flue gas probes is a recommendation
** The probe pre-filter can be screwed directly onto the unheated probe shaft up to 2192 °F (+1200 °C).
*** With heat protection plate
**** Heated; with a long measurement duration > 2 h and contaminated flue gas
For universal applications
Modular flue gas probes

The challenge
Whether they are used for heating, for generating electricity, steam or hot water, for the production or surface treatment of certain materials, or for incinerating waste and scrap materials: combustion plants serve a variety of purposes. This also means that different gas sampling probes are required for carrying out measurements in different applications, and at plant types using different fuels and with different degrees of pollution.

The solution
The modular flue gas probes for flue gas sampling, flue gas temperature and flue draught measurement can be conveniently connected to the measuring instrument via a practical bayonet lock. Thanks to the quick-change click system on the handle, the probe shaft is easy to change depending on the application. The probe shafts differ in length and in terms of whether the probe is equipped with a pre-filter. The thermocouple built into the probe shaft enables temperature measurement for different temperature ranges. The probe is also suitable for pressure measurement in flue gas ducts.

The advantages at a glance
- Easy probe shaft change via quick-change click system
- Flue gas duct and temperature channel can be connected to the instrument via a bayonet lock
- Integrated thermocouple probe for temperature measurements up to 1832 °F (+1000 °C)
- NO₂/SO₂ special hose, length 7.2 ft (2.2 m).
- Everything in one connector: gas, pressure and temperature input

Typical applications
- Emissions measurement to monitor prescribed limit values
- Service measurement on industrial burners (production, surface treatment, incineration of waste and scrap materials)
Exhaust gas probes
Designed specifically for Engine Testing

The challenge
The engine is tuned to the optimum operating parameters to comply with the applicable limit value regulations – with measurements often being taken over several hours. In particular, the high and fluctuating levels of NO₂ in the engine exhaust gas make the separate measurement of NO and NO₂ necessary in order to measure the real NOₓ value of the engine with a high degree of precision. In these applications, the flue gas probe is exposed to high temperatures (e.g. on the handle) and there are high pressures in the exhaust gas.

The solution
The flue gas probe performs outstandingly when carrying out professional flue gas measurement on stationary industrial engines (e.g. gas/diesel engines). Since it is made entirely of metal, this prevents the handle from melting due to the radiated heat from the exhaust. The probe can be used at temperatures of up to 1832 °F (+1000 °C). An additional particle filter, which provides protection from contamination, is located in the hose of the flue gas probe. A thermocouple is also available to order. This enables parallel measurement of the temperature in the flue gas and contains a heat protection handle which prevents any burning on the metal handle.

The advantages at a glance
- Made of metal: no melting of the handle due to radiated heat from the flue gas duct
- Additional particle filter in the hose provides protection from contamination
- Temperature measurement possible with optional thermocouple
- Probe shaft is easy to replace

Order no. 0600 7555
Typical applications
- Exhaust gas measurement on industrial engines (gas or diesel engines)
- Exhaust measurement on catalytic converters
- Exhaust measurement on gas turbines
- Exhaust measurement on other industrial installations with a high overpressure

The following variants are available
Flue gas probe for industrial engines, stainless steel probe shaft 13 inch (335 mm) length, Ø 0.3 inch (8 mm), 13 foot (4 m) special hose for NO₂/SO₂ measurements (2-chamber sampling hose) including particle filter, probe handle

<table>
<thead>
<tr>
<th>Variants</th>
<th>Order no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>13 inch (335 mm) immersion depth, $T_{\text{max}}$ 1832 °F (+1000 °C)</td>
<td>0600 7555</td>
</tr>
<tr>
<td>13 inch (335 mm) immersion depth, $T_{\text{max}}$ 1832 °F (+1000 °C), with probe shaft pre-filter Ø 9/16 inch (14 mm)*</td>
<td>0600 7556</td>
</tr>
</tbody>
</table>

* recommended for measurements on diesel engines

Probe accessories
Thermocouple for temperature measurement NiCr-Ni, length 15.7 in. (400 mm), $T_{\text{max}}$ 1832 °F (+1000 °C) with 13.1 ft (4 m) connection cable and additional heat protection* | 0600 8898 |

Transport bag for probes | 0516 7600 |

* Heat protection cover on the metal handle

For more information on the accessories, please refer to the section “Accessories for gas sampling probes”, P. 11/12
For low sulphur dioxide levels
SO₂ low probe kits

The challenge
Starting up a plant with flue gas desulphurization (including SCR catalyst*) can take up to 2 hours. Reason: the temperature of the components that come into contact with flue gas is crucial for the correct timing of the NH₃ injection. In extreme flue gas conditions (e.g. wet scrubbers), low levels of SO₂ need to be measured with speed and precision. Aggressive flue gas components will corrode the sampling probe.

The solution
The SO₂ low sensor with special SO₂ low gas sampling probe and the SO₂ low sensor with heated gas sampling system have been specifically developed to carry out SO₂ low measurements in flue gas desulphurization plants. To carry out a measurement, either the unheated or heated SO₂ low kit must be used with the testo 350 flue gas analyzer and a Peltier gas conditioning unit with peristaltic pump for automatic condensate drainage.

*Selective Catalytic Reduction

The advantages at a glance
- High degree of measuring accuracy
- Quick, convenient short-term measurements
- No electricity supply needed
- Easy to handle at the measuring point and during transport

SO₂ low kit, unheated

Order no. 0563 1251
**Typical applications**
- Flue gas after-treatment (e.g. coal-fired power station with low SO₂ levels downstream of the scrubber)
- Waste incineration plants
- Large engines

**The following variants are available**
The SO₂ low probe is available in 2 different variants: unheated and heated.

<table>
<thead>
<tr>
<th>Variants</th>
<th>Order no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SO₂ low kit, unheated</td>
<td>0563 1251</td>
</tr>
<tr>
<td><strong>SO₂ low sensor:</strong></td>
<td></td>
</tr>
<tr>
<td>Measuring range 0 to 200 ppm; resolution 0.1 ppm, special gas sampling probe for SO₂ low measurement, probe shaft length 29 inch (735 mm), including cone, thermocouple NiCr-Ni (TI), ( T_{\text{max}} ) probe shaft 428 °F (+220 °C), hose length 8.2 ft (2.35 m), Ø probe shaft 0.3 in (8 mm)</td>
<td></td>
</tr>
<tr>
<td>SO₂ low kit, heated</td>
<td>CALL</td>
</tr>
<tr>
<td>Call Testo for Heated Line Options</td>
<td></td>
</tr>
</tbody>
</table>

**Probe accessories**

<table>
<thead>
<tr>
<th>Order no.</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>0430 0053</td>
<td>Spare thermocouple for SO₂ low kit, unheated (0563 1251)</td>
</tr>
<tr>
<td>0393 0251</td>
<td>SO₂ low replacement sensor</td>
</tr>
<tr>
<td>0516 7600</td>
<td>Transport bag for probes</td>
</tr>
</tbody>
</table>

*For more information on the accessories, please refer to the section “Accessories for gas sampling probes”, P. 11/12*
Rugged probes for industrial emissions measurements

Accessories for gas sampling probes

Combustion air temperature probe
Enables parallel temperature and flue gas measurement.

- Immersion depth 2.3 inch (60 mm)
- Fixed cable length 13 feet (4 m)

Order no. 0600 9797

Pitot tube
For measuring the flow velocity.

- Length 13” or 39” (350 or 1000 mm), 5/16” (Ø 7 mm)
- Measuring range 1 to 100 m/s
- Operating temperature 32 to 1112 °F (0 to +600 °C)

Order no. 0635 2145
length 13 inch (350 mm)

Straight Pitot tube including temperature measurement
For measuring the flow velocity and the temperature.

- Length 29.5 inch (750 mm)
- Includes connection hose (silicone) length 16.4 feet (5 m)
- Maximum load capacity 10 PSI (700 hPa (mbar))
- Includes heat protection plate

Order no. 0635 2042
length 39 inch (1000 mm)
**Connection hose** for connecting Pitot tube and pressure probe

- Length 16 foot (5 m)
- Maximum load capacity 10 PSI (700 hPa (mbar))

Order no. 0554 0440

---

**Transport bag for probes**

The transport bag is the ideal complementary product for all industrial probe kits. It is suitable for transporting unheated industrial probes and for modular flue gas probes with a total length > 1 ft. (335 mm). The transport bag can also be used to transport probes and sensors from the air-conditioning sector conveniently to their place of use.

- Length 4 foot (1280 mm)
- Height (left) 4.3 inch (110 mm)
- Height (right) 9.4 inch (240 mm)

Order no. 0516 7600
Rugged probes for industrial emissions measurements

Overview
Industrial gas sampling probes

Both the unheated and heated industrial gas sampling probes are suitable for carrying out measurements involving high flue gas temperatures, high dust loads or humid flue gas. Using compatible accessories, the industrial gas sampling probes can be individually tailored to different measuring tasks in a variety of applications.

Cement production
• High dust load in the process
• Flue gas temperatures up to 2552 °F (+1400 °C)
• High SO₂ and CO₂ concentrations possible

Steel production
• High dust load in the process
• Flue gas temperatures up to 2372 °F (+1300 °C)
• High CO concentrations (sometimes >15 000 ppm)
• Very high flow velocities in ducts

Glass production
• Flue gas can be very humid
• Flue gas temperatures up to 2912 °F (+1600 °C)
• High SO₂ and CO₂ concentrations possible
• Sometimes high dust levels

Why use a heated gas sampling probe?
Because, depending on the application, there is sometimes a very high humidity content in the flue gas. In some countries, the measurement of combustion gas using a heated system is a legal requirement.

Testo has a full line of heated sample lines. Please contact Testo for details.
For the harshest conditions
Industrial probe kit 2192 °F (+1200 °C)

The challenge
Cement production is a raw material- and energy-intensive process, during which a lot of harmful emissions such as carbon dioxide are generated. Since these emissions are subject to stringent environmental protection regulations, the emissions ideally need to be measured directly at the stack in order to ensure compliance with the limit values.

The solution
The industrial probe kit is suitable for the extractive sampling of flue gas to be analyzed at high flue gas temperatures of up to 2192 °F (+1200 °C), and for applications involving large flue gas pipe diameters. With an optional pre-filter, the probe is ideal for measuring flue gases with a high dust content (e.g. for monitoring the furnace atmosphere during clinker production). At the rotary kiln outlet, measurements can be taken for up to 20 minutes to determine whether any unwanted air is getting in between the preheating inlet and the preheating outlet. It is equally important to monitor the furnace atmosphere at the preheater, where the temperature, oxygen content, carbon monoxide and nitrogen oxide parameters should be measured on a daily basis.

The advantages at a glance
• Probe made entirely of metal (heat-resistant and rugged)
• Measurements possible up to a flue gas temperature of 2192 °F (+1200 °C)
• Additional inline filter to protect the gas sampling hose from contamination
• Unheated sampling tube can be extended to max. 10 foot (3 m) using optional extension tubes

Order no. 0600 7610
Typical applications
- Analysis of thermal processes (e.g. cement production)
- Measuring the furnace atmosphere
- Emissions measurement for efficiency monitoring/commissioning of industrial plants
- Emissions measurements for the prior checking of limit values
- Emissions measurements for checking flue gas cleaning systems
- Emissions measurement to monitor prescribed limit values

The following variants are available

<table>
<thead>
<tr>
<th>High Temperature Inconel Probes (2200 °F / 1200 °C max)</th>
<th>Order no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>High Temperature (2,200 °F) Probe &amp; Hose (0554 3354</td>
<td>400600 7911</td>
</tr>
<tr>
<td>High temperature (2,200 °F) three-foot sample probe (Inconel) with one blunt end, non heated handle, and 13 foot Teflon-lined hose to connect to analyzer</td>
<td></td>
</tr>
<tr>
<td>Dusty Application Probe &amp; Hose (0554 3354</td>
<td>400600 7911</td>
</tr>
<tr>
<td>Sintered ceramic filter (1,832 °F max), three-foot long extension probe (Inconel) threaded at both ends, non-heated handle, and 13 foot Teflon-lined hose to connect to analyzer</td>
<td></td>
</tr>
<tr>
<td>Optional - Extension for longer probes (max of two extensions = 9 feet)</td>
<td>400600 7804</td>
</tr>
<tr>
<td>High temperature (2,200 °F), three-foot long extension probe (Inconel) threaded at both ends. Add up to two extensions for a maximum nine foot length</td>
<td></td>
</tr>
<tr>
<td>Super High-Temperature probe (with 13 foot hose)</td>
<td>0600 7620</td>
</tr>
<tr>
<td>Three-foot long al-oxide ceramic probe (3,272 °F)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Low Temperature Stainless Steel Probes (1112 °F / 600 °C max)</th>
<th>Order no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low Temperature (1,112 °F) Probe &amp; Hose (0554 3354</td>
<td>400600 7911</td>
</tr>
<tr>
<td>Three-foot long sample probe (1,112 °F max) made of stainless steel with blunt end, non-heated handle, and 13 foot Teflon-lined hose to connect to analyzer</td>
<td></td>
</tr>
<tr>
<td>Dusty Application Probe &amp; Hose (0554 3354</td>
<td>400600 7911</td>
</tr>
<tr>
<td>Sintered ceramic filter (1,112 °F max), three-foot long extension probe (stainless steel) threaded at both ends, non-heated handle, and Teflon-lined hose to connect to analyzer</td>
<td></td>
</tr>
<tr>
<td>Optional - Extension for longer probes (max of two extensions = 9 feet)</td>
<td>400600 7802</td>
</tr>
<tr>
<td>Three-foot long sample probe (1,112 °F max) made of stainless steel threaded at both ends. Add up to two extensions for a maximum nine foot length</td>
<td></td>
</tr>
<tr>
<td>TC for 3-foot probes (NiCr-Ni 3.9 ft.) w/ 13 ft. stainless braided cable</td>
<td>0430 0065</td>
</tr>
<tr>
<td>TC for 3-foot probes (NiCr-Ni 3.9 ft.) w/ 13 ft. stainless braided cable</td>
<td>0430 0066</td>
</tr>
</tbody>
</table>
The challenge
At high flue gas temperatures above 1832 °F (+1000 °C), as is the case in steel and glass production, industrial probes are required in order to cope with these temperatures without any problems. Emissions measurements for efficiency monitoring, which should be carried out regularly, need to provide accurate measurement results even at high temperatures.

The solution
Thanks to the heat-resistant probe shaft, the industrial probe kit 3272 °F (+1800 °C) is ideal for these extreme requirements (e.g. in steel and glass production). Furnace atmosphere measurements can be carried out with this industrial probe at temperatures up to 3272 °F (+1800 °C). Emissions measurements for efficiency monitoring pose no problem for the industrial probe kit. The kit also provides accurate readings at high temperatures for the efficient adjustment of industrial plants during commissioning.

The advantages at a glance
- Measurements possible up to a flue gas temperature of 3272 °F (+1800 °C)
- Additional inline filter protects the gas sampling hose and the interior of the instrument from contamination
- Probe shaft is easy to replace
- Suitable for carrying out measurements in glass and steel production

Order no. 0600 7620
Typical applications
- Analysis of thermal processes (e.g. steel and glass production)
- Measuring the furnace atmosphere
- Emissions measurement for efficiency monitoring/commissioning of industrial plants
- Emissions measurement to monitor prescribed limit values

The following variants are available

<table>
<thead>
<tr>
<th>Variants</th>
<th>Order no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Industrial probe kit 3272 °F (+1800 °C)</td>
<td>0600 7620</td>
</tr>
<tr>
<td>consisting of:</td>
<td></td>
</tr>
<tr>
<td>- unheated handle</td>
<td></td>
</tr>
<tr>
<td>- unheated sampling tube up to 3272 °F (+1800 °C)</td>
<td></td>
</tr>
<tr>
<td>- unheated gas sampling hose including inline filter</td>
<td></td>
</tr>
</tbody>
</table>

Technical data

<table>
<thead>
<tr>
<th>Probe component</th>
<th>$T_{\text{max}}$</th>
<th>Length/diameter</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Probe shaft</td>
<td>3272 °F (+1800 °C)</td>
<td>Length 3.2 ft (1000 mm), Ø 0.4 in. (12 mm)</td>
<td>$\text{Al}_2\text{O}_3 &gt; 99.7%$</td>
</tr>
<tr>
<td>Handle</td>
<td>1112 °F (+600 °C)</td>
<td></td>
<td>1.4404 stainless steel</td>
</tr>
<tr>
<td>Gas sampling hose</td>
<td></td>
<td>Length 13 foot (4 m)</td>
<td>2-chamber hose with PTFE inner core</td>
</tr>
</tbody>
</table>

Probe accessories

<table>
<thead>
<tr>
<th>Probe accessories</th>
<th>Order no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transport bag for probes</td>
<td>0516 7600</td>
</tr>
<tr>
<td>Spare ceramic sampling tube</td>
<td>0440 0669</td>
</tr>
</tbody>
</table>

For more information on the accessories, please refer to the section “Accessories for industrial gas sampling probes”, P. 18/19
Accessories
for industrial gas sampling probes

**Type K thermocouple**
Enables parallel temperature and flue gas measurement.

- Quick and easy to install
- Measuring range: -328 to 2192 °F (-200 to +1200 °C)
- Length 7.2 ft (2.2 m) (diameter 0.07 in / 2 mm)

Order no. 0600 7615*

---

**Industrial probe pre-filter**
The industrial probe pre-filter is used for measurements involving flue gas with a high dust load. The filter prevents the probe shaft and sampling hose from becoming clogged with dust or particles. In addition, the pre-filter protects the probe shaft and sampling hose from dust damage.

- Can be changed without replacing the complete filter
- Max operating temperature 1832 °F (+1000 °C)
- Length 4.3 in (110 mm), diameter 1.18 in. (30 mm)

Order no. 0600 7616*

---

* Accessories for 0600 7610 and 0600 7630
**Extension tube 1112 °F (600 °C)**
Use the extension tube to adapt the industrial probe to the size of the flue gas duct. To also ensure accurate measurements in the case of dusty flue gases, the industrial probe pre-filter can easily be screwed onto the extension tube.

- Compatible with pre-filter
- Can also be used as a spare tube for industrial probe kits
- Can be used up to 2192 °F (+1200 °C)

**Extension tube 2192 °F (+1200 °C)**
Use the extension tube to adapt the industrial probe to the size of the flue gas duct. To also ensure accurate measurements in the case of dusty flue gases, the industrial probe pre-filter can easily be screwed onto the extension tube.

- Compatible with pre-filter
- Can also be used as a spare tube for industrial probe kits
- Can be used up to 2192 °F (+1200 °C)

**Transport bag for probes**
This is suitable for transporting unheated industrial probes and modular standard gas sampling probes (length > 1 ft. (335 mm)).

- Length 4 foot (1280 mm)
- Height (left) 4.3 inch (110 mm)
- Height (right) 9.4 inch (240 mm)

**Other probe accessories**

<table>
<thead>
<tr>
<th>Description</th>
<th>Order no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extension lead for temperature probe</td>
<td>0409 0063</td>
</tr>
<tr>
<td>Length 16.4 ft. (5 m), between plug-in head cable and instrument</td>
<td></td>
</tr>
<tr>
<td>Heated gas sampling hose</td>
<td>Call</td>
</tr>
<tr>
<td>Spare dirt filter (10 pcs.)</td>
<td>0554 3371</td>
</tr>
</tbody>
</table>

* Accessories for 0600 7610 and 0600 7630
Do you need any more information?

Do you have any questions?

Please get in touch with us. We would be happy to help:
Give us a call at 1-800-227-0729 or send us an e-mail to info@testo.com

Would you prefer to browse through yourself?
You can find further information about emissions measurement at
https://goo.gl/EHMKFY