Dräger accuro
Dräger-Tube Pump

Fast measurement with one hand: The Dräger-Tube pump accuro allows you to use the established Dräger-Tubes to take measurements under extreme conditions. The easy-to-use Dräger-Tubes have already been calibrated and form a perfect unit with the Dräger-Tube pump.

- Integrated end of stroke indicator
  Clear indication when a stroke is ended

- Integrated stroke counter
  For easy monitoring of the number of strokes made

- Integrated tube opener
  Simple scoring of the tubes using a ceramic blade for clean opening

- Hard-wearing EPDM rubber housing
  Robust rubber mixture for reliable operation

- Pump bellows
  Precise volumes for a long period of time

- Scissor-spring mechanism
  For a uniform compression of the pump bellows with one hand
Benefits

Mobile spot measurement

This manual pump is used for spot measurements such as the detection of concentration peaks, confined space entry, worst-case scenarios etc.

Functional bellows pump

The Dräger-Tube pump accuro draws in 100 ml per stroke. When measuring, the pump body (bellows) is pressed together completely. The exhaust valve is closed during the opening phase of the bellows so that the gas sample flows through the connected Dräger-Tube into the pump. After the complete opening of the pump body into its original position the suction process is finished. The end of stroke is visible by a pressure-controlled end of stroke indication, located in the pump head.

Sampling

During the sampling process the substances to be evaluated are firstly accumulated on a suitable carrier material, e.g. activated charcoal, silica gel and so on. The air to be evaluated is thereby drawn over the respective material - with a predefined flow rate and duration. Afterwards, the substances that have accumulated on the carrier material through adsorption or chemisorption are examined qualitatively and quantitatively in the laboratory using instrumental analysis such as gas chromatography.

One-handed operation

Frequently, measurements need to take place under extreme conditions, e.g. on ladders, in shafts or when wearing heavy breathing protection. The Dräger-Tube pump accuro can easily be operated with one hand and enables a reliable measurement also in difficult-to-access places.
System Components

**Dräger Short-Term Tubes**

Tried and tested a million times: Worldwide, the Dräger Short-Term Tubes have proven to be a very cost-effective and reliable method for the measurement of gases. Decreasing occupational exposure values, special customer requirements and new legal regulations made it necessary to develop even more sensitive Dräger-Tubes.

**Dräger Sampling Tubes and Systems**

The Dräger Sampling Tubes and Systems are very reliable in use even with complex compounds and mixtures of substances.

Accessories

**Dräger TO 7000**

By using the tube opener Dräger TO 7000, conventional Short-Term Tubes as well as Ampoule and Double Tubes can be opened with only simple movements and no jagged edges are left behind.
Accessories

**Extension hose 1 m, 3 m, 10 m, 15 m**
For use in hard-to-access locations such as shafts.

**Hot air probe**
Enables the measurement of extremely hot gases, e.g. in combustion plants.

**Vehicle exhaust probe**
For measuring exhaust gases.

**Bar probe 400**
Is used for clearance measurements in containers.
Dräger X-act® 5000

The automatic tube pump Dräger X-act® 5000 is the first all-in-one solution designed for measurements with Dräger short-term tubes and for sampling tubes and systems. Ease of operation and a high degree of reliability compliment the measurement and sampling of gases, vapors and aerosols.
Technical Data

Dimensions (W x H x D)  170 x 45 x 85 mm
Stroke volume  100 ±5 cm³
Weight  250 g
Ambient conditions
  Temperature: -20 °C to +50 °C
  Relative humidity: 0 – 95% non-condensing
Approvals
  CE-certified (EN 0158)
  ATEX
    I M1
    II 1GD IIB 85°C T6
    II 2G IIC T6
    -20 °C ≤ Ta ≤ +50 °C
  DIN EN ISO 17621

Ordering Information

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<th>Description</th>
<th>Content</th>
<th>Order no.</th>
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<tr>
<td>Dräger accuro</td>
<td>Gas detector pump Dräger accuro and tube opener Dräger TO 7000</td>
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<tr>
<td>Gas detector set</td>
<td>Gas detector pump Dräger accuro, carrying case, tube opener Dräger TO 7000 and spare parts kit for Dräger accuro</td>
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<td>Spare parts kit for Dräger accuro</td>
<td>6 x valve disc, 1 x window, 3 x membrane, 1 x insert and 1 x grommet</td>
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<td>Extension hose 1 m</td>
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<td>Extension hose 3 m</td>
<td>Incl. adapter for tubes and adapter for hose in a carrying box</td>
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<td>Extension hose 15 m</td>
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<td>Adapter for Dräger simultaneous test set</td>
<td>Incl. cutting holder and adapter</td>
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Additional accessories upon request.
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