

## 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.



## Benefits

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### 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.

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### 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.

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### 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.

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### 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



ST-36-2001

### 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.



2-925-91

### 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



ST-1990-2005

### 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

ST-14319-2008



### Extension hose 1 m, 3 m, 10 m, 15 m

For use in hard-to-access locations such as shafts.

D-13066-2010



### Hot air probe

Enables the measurement of extremely hot gases, e.g. in combustion plants.

D-13067-2010



### Vehicle exhaust probe

For measuring exhaust gases.

D-13069-2010



### Bar probe 400

Is used for clearance measurements in containers.

## Related Products

D-12091-2010



### 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 cm <sup>3</sup>   |  |
| Weight                 | 250 g  |  |
| Ambient conditions     | Temperature: -20 °C to +50 °C<br>Relative humidity: 0 – 95% non-condensing |  |
| Approvals              | CE-certified (EN 0158)   |  |
|                        | ATEX   | I M1<br>II 1GD IIB 85°C T6<br>II 2G IIC T6<br>-20 °C ≤ Ta ≤ +50 °C |
|                        |  | 17621  |
|                        | DIN EN ISO   |  |

## Ordering Information

| Description                              | Content  | Order no. |
|--|--|-----------|
| Dräger accuro                            | Gas detector pump Dräger accuro and tube opener Dräger TO 7000   | 64 00 000 |
| Gas detector set                         | Gas detector pump Dräger accuro, carrying case, tube opener Dräger TO 7000 and spare parts kit for Dräger accuro | 64 00 260 |
| Spare parts kit for Dräger accuro        | 6 x valve disc, 1 x window, 3 x membrane, 1 x insert and 1 x grommet   | 64 00 220 |
| Extension hose 1 m                       | Incl. adapter for Simultaneous Test Set  | 64 00 561 |
| Extension hose 3 m                       | Incl. adapter for tubes and adapter for hose in a carrying box   | 64 00 077 |
| Extension hose 10 m                      | Incl. adapter for tubes and adapter for hose   | 64 00 078 |
| Extension hose 15 m                      | Incl. adapter for tubes and adapter for hose   | 64 00 079 |
| Tube opener Dräger TO 7000               |  | 64 01 200 |
| Adapter for Dräger simultaneous test set | Incl. cutting holder and adapter   | 64 00 090 |
| Additional accessories upon request.     |  |           |

## Notes

## Notes

Not all products, features, or services are for sale in all countries.  
Mentioned Trademarks are only registered in certain countries and not necessarily in the country in which this material is released. Go to [www.draeger.com/trademarks](http://www.draeger.com/trademarks) to find the current status.

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