



# Dräger accuro Pump for Gas Detection Tubes

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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.

# Dräger accuro

## **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

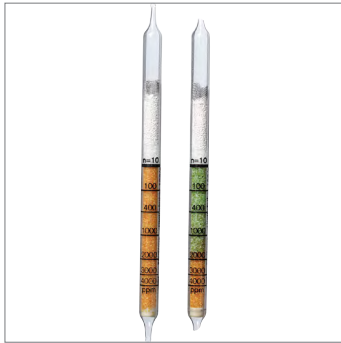
During the sampling process the substances to be evaluated are firstly accumulated on a suitable carrier material, e.g. activated charcoal, silica gel and so on. The air to be evaluated is thereby drawn over the respective material - with a predefined flow rate and duration. Afterwards, the substances 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

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



## Dräger accuro extension hoses

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

Available in the following sizes:

- 1 m
- 3 m
- 10 m
- 15 m

D-13066-2010



## Hot air probe

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

D-544-2016



## Vehicle exhaust probe

For measuring exhaust gases.

D-13069-2010



## Bar probe 400

Is used for clearance measurements in containers.

# 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 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

Description	Content	Order no.
Dräger accuro	Gas detector pump Dräger accuro and tube opener Dräger TO 7000	6400000
Gas detector set	Gas detector pump Dräger accuro, carrying case, tube opener Dräger TO 7000 and spare parts kit for Dräger accuro	6400260
Spare parts kit for Dräger accuro	6 x valve disc, 1 x window, 3 x membrane, 1 x insert and 1 x grommet	6400220
Extension hose 1 m	Incl. adapter for Simultaneous Test Set	6400561
Extension hose 3 m	Incl. adapter for tubes and adapter for hose in a carrying box	6400077
Extension hose 10 m	Incl. adapter for tubes and adapter for hose	6400078
Extension hose 15 m	Incl. adapter for tubes and adapter for hose	6400079
Tube opener Dräger TO 7000		6401200
Adapter for Dräger simultaneous test set	Incl. cutting holder and adapter	6400090
Additional accessories upon request.		

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**Corporate Headquarters**

Drägerwerk AG & Co. KGaA  
Moislinger Allee 53–55  
23558 Lübeck, Germany  
■ [www.draeger.com](http://www.draeger.com)

**Region Europe****Dräger Safety AG & Co. KGaA**

Revalstraße 1  
23560 Lübeck, Germany  
☎ +49 451 882 0  
☎ +49 451 882 2080  
✉ [info@draeger.com](mailto:info@draeger.com)

**Region Middle East, Africa****Dräger Safety AG & Co. KGaA**

Branch Office  
P.O. Box 505108  
Dubai, United Arab Emirates  
☎ +971 4 4294 600  
☎ +971 4 4294 699  
✉ [contactuae@draeger.com](mailto:contactuae@draeger.com)

**Region Asia Pacific****Draeger Singapore Pte. Ltd.**

61 Science Park Road  
The Galen #04-01  
Singapore 117525  
☎ +65 6872 9288  
☎ +65 6259 0398

**Region Central and South America****Dräger Indústria e Comércio Ltda.**

Al. Pucurui - 51 - Tamboré  
06460-100 - Barueri - São Paulo  
☎ +55 (11) 4689-4900  
✉ [relacionamento@draeger.com](mailto:relacionamento@draeger.com)



Locate your Regional Sales  
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