

Dräger-Tube pump 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

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



Extension hose 1 m, 3 m, 10 m, 15 m, 30 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.

Related Products



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.



Dräger CMS

The world's only Chip Measurement System (CMS) makes spot measurements as easy as 1, 2, 3: insert chip – start measurement – read measurement result on the LCD display. The Dräger CMS combines the advantages of the Dräger-Tubes with those of an optoelectronic analysis system.

Technical Data

Dimensions (W x H x D)	170 x 45 x 85 mm	
Stroke volume	100 ±5 cm ³	
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 1G IIC T6 -20°C ≤ Ta ≤ +50° C/ II 1D BVS 04 ATEX H 068
	DIN	EN 1231

Ordering Information

	Packaging unit	Order No.
Dräger accuro pump	1	64 00 000
Gas detection set	1 including Dräger accuro pump, carrying case, tube opener Dräger TO 7000 carrying case, tube opener Dräger TO 7000 and spare parts kit for Dräger accuro	64 00 260
Spare parts kit for Dräger accuro	1	64 00 220
Extension hose 3 m	1 including tube adapter and hose adapter	64 00 077
Tube opener Dräger TO 7000	1	64 01 200
Adapter for Dräger simultaneous test set	1 including cutting mount	64 00 090
Additional accessories upon request.		