

Dräger X-act® 5000 Basic Pump for Gas Detection Tubes

The automatic tube pump Dräger X-act® 5000 Basic is the 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.



Benefits

Automatic tube pump

- ideal for a high number of strokes
 - display for clear readability of results
 - can be used in explosive areas
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Versatile and robust

The automatic tube pump is compatible with Dräger short-term tubes as well as sampling tubes and systems. The robust housing supports the use of the pump to perform the daily measuring tasks under tough conditions. The ex-approved Dräger X-act® 5000 Basic can be used for confined space applications and in explosive gas atmospheres.

New pump concept

The key principle is the ability to provide the required flow characteristics of the short-term tubes, while also providing the option to be used with sampling tubes and Systems requiring constant flow. Compared to the Dräger accuro hand pump, this new concept reduces the average measurement time of the short-term tubes in case of a high number of strokes. The internal pump is also designed to use extension hoses up to a length of 30 meters (98 ft.).

Simplicity of operation

The handling of gases, vapors and aerosols has never been easier. The automatic tube pump directs the air to be measured through the appropriate Dräger-Tubes effortlessly. It is comfortably carried with one hand or using the shoulder strap and is easily operated, even wearing protective gloves. A simple and intuitive menu structure provides the user efficient operation with just a few button presses. Using the password-protected menu repetitive operating modes can be set.

Measurement in technical gases

To evaluate measurements in technical gases, the properties of the technical gas must be taken into consideration. Technical gases have a different viscosity than ambient air. Therefore, the flow of the pump must be set accordingly. Following the operating steps in the mode „Measurement in Technical Gases“, the Dräger X-act 5000 Basic will automatically be adjusted to the required flow parameter and the measurement result can be read directly.

Direct settings for sampling

Depending on the sampling tubes or systems, the required parameters for the test can be set directly, without the need for an external flowmeter. The X-act 5000 Basic automatically adjusts the flowrate. After setting the sampling time the pump can immediately be started. At the end of the measurement the pump will stop automatically. The set data, the elapsed time and the pumped volume will be indicated on the display.

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

D-12076-2010



Dräger SO₃ Filter

For retaining possible SO₃, which can occur during measurement with Short-term Tubes.

ST-14319-2008



Dräger X-act 5000 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
- 30 m

D-13066-2010



Hot air probe

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

D-13069-2010



Bar probe 400

Is used for clearance measurements in containers.

Accessories

D-19067-2010



Vehicle exhaust probe

For measuring exhaust gases.

ST-1694-2003



Fumigation case

Determines quickly and easily whether a container is fumigated. Case for self-equipment.

Related Products

D-19328-2009



Dräger accuro

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.

Technical Data

Operation

Short-term measurements	using Dräger short-term tubes	adjustable, 1 to 199 strokes
	Number of strokes	100 mL
	Stroke volume	
Sample taking	Flow rate range	0.1 to 2.0 L/min Resolution 0.1 to 1.0 L/min: 0.1 L/min \pm 10 % Resolution 1.0 to 2.0 L/min: 0.2 L/min \pm 10 %
	Sampling time	adjustable, up to 12 hours, depending on flow rate Resolution in steps of 15 minutes (default) or 1 minute
Display	two parts: segment and matrix	
Menu languages	Danish, Dutch, English, Finnish, French, German, Italian, Norwegian, Polish, Spanish, Swedish	
Use of extension hose	up to 30 meter (98 ft.)	
Dimensions (H x W x D)	approx. 175 x 230 x 108 mm (7" x 9" x 4.25")	
Weight (without battery pack)	approx. 1.6 kg (3.5 lbs)	

Ambient Conditions

Temperature during storage	- 20 to 55 °C (- 4 to 131 °F)
Temperature during operation	5 to 40 °C (41 to 104 °F)
Humidity	0 to 95 % r. h., non-condensing
Pressure	700 to 1,300 hPa (10.2 to 18.9 psi)

Power Packs

Rechargeable Battery NiMH, T4	7.2 V, 1,500 mAh (charging time < 4 hours)
Battery capacity at 25 °C (77 °F)	Dräger short-term tubes: >1,000 strokes Sample taking: up to 12 hours, depending on adjusted flow rate

Approvals

ATEX	Ex ia IIC T4 Ga Ex ia I Ma I M1 / II 1G
MED	Steering Wheel approval 96/98 EC
cUL	Class I, Div. 1, Group A, B, C, D Class II, Div. 1, Group F, G 5 °C \leq Ta \leq + 40 °C Temp. Code T4 Ex ia
IECEx	Ex ia I Ma Ex ia IIC T4 Ga
CE-mark	according to 2014/30/EU, 2014/34/EU and 2011/65/EU
¹ Subject to alteration	

Ordering Information

Dräger X-act® 5000 Basic

Dräger X-act® 5000 Basic
with shoulder strap without power supply

Order code

37 07 674

Ordering Information

Power packs

Rechargeable Battery NiMH, T4	45 23 520
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Charging accessories

Wall-Wart Charger 100 – 240 VAC (worldwide)	45 23 545
Car Charger 12 / 24 V	45 23 511

Accessories

Extension hose, Dräger accuro & Dräger X-act® 5000, 1 m, incl. adapter for Simultaneous Test Set	64 00 561
Extension hose, Dräger accuro & Dräger X-act® 5000, 3 m, incl. adapter for tubes, adapter for hose in a carrying box	64 00 077
Extension hose, Dräger accuro & Dräger X-act® 5000, 10 m, incl. adapter for tubes, adapter for hose	64 00 078
Extension hose, Dräger accuro & Dräger X-act® 5000, 15 m, incl. adapter for tubes, adapter for hose	64 00 079
Extension hose, Dräger X-act® 5000, 30 m, incl. adapter for tubes, adapter for hose	64 01 175
SO ₃ Filter Replacement	81 03 525



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