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.

NEW PUMP CONCEPT
The Dräger X-act 5000 is based on a completely new pump concept. The key principle is the ability to provide the required flow characteristics of the Dräger 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 Dräger 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, Dräger X-act 5000, 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.

**AUTOMATIC TRANSFER OF MEASUREMENT PARAMETERS**

A barcode printed on the label on the backside of a Dräger short-term tube box contains all relevant measurement parameters. Simply sliding the barcode over the barcode reader of the pump, automatically transfers the name of the substance to be measured, the number of strokes, and the measuring range to the display. The required steps to carry out the measurement are simplified with the Dräger X-act 5000 and the possibility of making an error is reduced to a minimum.

**MEASUREMENT IN TECHNICAL GASES**

Dräger short-term tubes are calibrated for measurements in ambient air. 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 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 Dräger X-act 5000 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.
Enter a new era of measuring and sampling.

**ORDER INFORMATION**

**Order Code**
- Dräger X-act 5000, consists of Dräger X-act 5000, shoulder strap without power supply 45 23 500

**Power Packs**
- Rechargeable Battery NiMH, T4 45 23 520
- Alkaline Battery Pack, T4 w/o Batteries (6 batteries required) 45 23 525
- Alkaline Battery Dräger X-act 5000 81 03 594

**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 00 581
- 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
- SO₂ Filter Replacement 81 03 525
TECHNICAL DATA  

**Operation**

Short-term measurements using Dräger short-term tubes

- Number of strokes: adjustable, 1 to 199 strokes
- Stroke volume: 100 mL

**Sample taking**

- Flow rate range:
  - Resolution 0.1 to 1.0 L/min: 0.1 L/min ± 5 %
  - Resolution 1.0 to 2.0 L/min: 0.2 L/min ± 5 %

- 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 1300 hPa (10.2 to 18.9 psi)

**Power Packs**

- **Rechargeable Battery NiMH, T4**
  - 7.2 V, 1500 mAh (charging time < 4 hours)

- **Alkaline Battery Pack, T4**
  - 6 AA cells, (see battery pack label for approved battery types)

**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 M 1 / II 1G

- **MED**
  - Steering Wheel approval 96/98 EC

- **UL**
  - Class I, Div. 1, Group A, B, C, D
  - Class II, Div. 1, Group F, G

- **cUL**
  - 5 °C ≤ Ta ≤ + 40 °C Temp. Code T4 Ex ia

- **IECEx**
  - Ex ia IIC T4 Ga

- **CE-mark**
  - according to 2004/108/EC and 94/9/EC

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**Barcode reader**

The Dräger X-act 5000 has a built-in barcode reader which emits an invisible laser beam during normal operation.

**INVISIBLE LASER RADIATION • DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS • CLASS 1M LASER PRODUCT**

Viewing the laser output with certain optical instruments (for example, eye loupes, magnifiers and microscopes) within a distance of 100 mm may pose an eye hazard.

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**CORPORATE HEADQUARTERS**

Drägerwerk AG & Co. KGaA

Moislinger Allee 53–55

23558 Lübeck, Germany

www.draeger.com

**AUSTRALIA**

Dräger Safety Pacific Pty. Ltd.

8 Acacia Place

Notting Hill VIC 3168

Toll-free +61 1800 DRAGER

(1800 372 437)

Fax +61 1800 64 74 84

customer.service@draeger.com

**FRANCE**

Dräger Safety France SAS

3c route de la Fédération, BP 80141

67025 Strasbourg Cedex 1

Tel +33 3 88 40 76 76

Fax +33 3 88 40 76 67

**MEXICO**

Dräger Safety S.A. de C.V.

Av. Perifueles No. 5 Bodega No. 37

Fraccionamiento Industrial San Pedroto

Queretaro, ORO Mexico

Tel +52 442 246-1113

Fax +52 442 246-1114

**NETHERLANDS**

Dräger Safety Nederland B.V.

Edisonstraat 53

2700 AH Zoetermeer

Tel +31 79 344 46 66

Fax +31 79 344 47 90

**REGION ASIA PACIFIC**

Dräger Safety Asia Pte Ltd.

67 Ayer Rajah Crescent

#06-03

Singapore 139950

Tel +65 68 72 92 88

Fax +65 65 12 19 08

**REGION CENTRAL AND SOUTH AMERICA**

Dräger Panama S. de R.L.

Complejo Business Park, V tower, 10th floor

Panama City

Tel +507 377-9100

Fax +507 377-9193

contactcsa@draeger.com

**REGION MIDDLE EAST, AFRICA**

Dräger Safety AG & Co. KGaA

Branch Office

P.O. Box 505108

Dubai, United Arab Emirates

Tel +971 4 4294 600

Fax +971 4 4294 699

**SPAIN**

Dräger Safety Hispania S.A.

Calle Xaudaró 5

28034 Madrid

Tel +34 91 728 34 00

Fax +34 91 729 48 99

**UNITED KINGDOM**

Dräger Safety UK Ltd.

Blyth Riverside

Blyth, Northumberland

NE24 4RG

Tel +44 1670 352-891

Fax +44 1670 356-266

Manufacturer:

Dräger Safety AG & Co. KGaA

Revalstraße 1

23650 Lübeck, Germany