Dräger X-act® 5000
Automatic Dräger Tube Pump

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 00 561
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
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
- 0.1 to 2.0 L/min
Resolution
- 0.1 to 1.0 L/min: ± 5%
- 1.0 to 2.0 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
- 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
- 5 °C ≤ Ta ≤ +40 °C Temp. Code T4 Ex ia
- cUL Class I, Div. 1, Group A, B, C, D
- Class II, Div. 1, Group F, G
- 5 °C ≤ Ta ≤ +40 °C Temp. Code T4 Ex ia
- Ex ia IIC T4 Ga
- according to 2004/108/EC and 94/9/EC

Barcode reader
The Dräger X-act 5000 has a built-in barcode reader which emits an invisible laser beam during normal operation.
The Dräger X-act 5000 is a Class 1M LASER Product with Class 3R internal radiation per the requirements of IEC 60825-1 Edition 2.0 (2007),
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.

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

CANADA
Dräger Safety Canada Ltd.
7555 Danbro Crescent
Mississauga, Ontario LSN 6P9
Tel +1 905 821 8988
Fax +1 905 821 2565

P. R. CHINA
Dräger Safety Equipment (China) Co., Ltd.
A22 Yu An Rd, B Area,
Tianzhu Airport Industrial Zone,
Shunjy District, Beijing 101300
Tel +86 10 80 49 80 00
Fax +86 10 80 49 80 05

FRANCE
Dräger Safety France SAS
3c route de la Fédération, BP 80141
67025 Strasbourg Cedex 1
Tel +33 8 40 76 76
Fax +33 8 40 76 67

MEXICO
Dräger Safety S.A. de C.V.
Av. Periférico No. 5 Bodega No. 37
Fraccionamiento Industrial San Pedrito
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 +507 377-9102
contactcsa@draeger.com

REGION MIDDLE EAST, AFRICA
Dräger Safety AG & Co. KGaA
Branch Office
P.O. Box 509018
Dubai, United Arab Emirates
Tel +971 4 4294 600
Fax +971 4 4294 699

USA
Dräger Safety, Inc.
101 Technology Drive
Pittsburgh, PA 15275
Tel +1 412 787 8383
Fax +1 412 787 2207

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.
Blith, Northumberland
NE24 4RG
Tel +44 1670 352-891
Fax +44 1670 356-266

Manufacturer:
Dräger Safety AG & Co. KGaA
Revalstraße 1
23656 Lübeck, Germany