

# Dräger X-act 7000

Series: Dräger Tube Pumps



The Dräger X-act 7000 is an opto-electronic analysis system that works with Dräger MicroTubes to selectively measure carcinogenic and toxic substances in the low ppb range. Based on colorimetric chemical sensors, it delivers results directly on site instead of time-consuming and costly laboratory analyses: insert the right MicroTube, start the measurement and read the result. RFID tags on the MicroTubes carry all calibration data valid for their typical one-year life, so complex function tests and manual calibration are not required. The analyser is certified under ATEX/IECEX for Zone 0 and is dust and splash-proof to IP54. After an automatic self-test it is ready for use; it offers 3-button operation, a 2.4-inch colour display and an internal data logger that is read out with the Dräger CC-Vision software. Five standard batteries provide more than ten hours of measuring with the recommended batteries. With the Dräger X-am Pump connected via the coupler, measurements can be made in hard-to-reach places such as tanks, shafts and pipelines up to 45 metres away.

- 01 Laboratory-quality measurement in the low ppb range
- 02 Selective measurement with Dräger MicroTubes
- 03 Calibration data on RFID-tagged tubes
- 04 ATEX/IECEX Zone 0 certified
- 05 IP54 dust and splash protection
- 06 Internal data logger, read out with CC-Vision

## Technical data

|                      |                                                                                                                                                                                                       |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BRAND                | Dräger                                                                                                                                                                                                |
| MODEL                | Dräger X-act 7000                                                                                                                                                                                     |
| MEASURING CONDITIONS | air pressure fluctuations have no effect on the measuring instrument (mass flow measurement principle); any temperature or humidity effects are already taken into account in the factory calibration |
| COMPATIBLE ITEMS     | Dräger MicroTubes                                                                                                                                                                                     |

EX AREA USE

Yes

## Tube list

| ORDER CODE | TUBE NAME                              | MEASURING RANGE                | SUBSTANCE              | DESCRIPTION                                                    |
|------------|----------------------------------------|--------------------------------|------------------------|----------------------------------------------------------------|
| 8610330    | Acetic Acid 2 – 50 ppm                 | 2 – 50 ppm                     | Acetic Acid            | —                                                              |
| 8610470    | Acetone 25 – 5000 ppm                  | 25 – 5000 ppm                  | Acetone                | —                                                              |
| 8610380    | Alcohol 10 – 5000 ppm                  | 10 – 5000 ppm                  | Alcohol                | Metanol olarak                                                 |
| 8610130    | Ammonia 1 – 100 ppm                    | 1 – 100 ppm                    | Ammonia                | —                                                              |
| 8610020    | Ammonia 100 – 2500 ppm                 | 100 – 2500 ppm                 | Ammonia                | —                                                              |
| 8610600    | Benzene 5 – 150 ppb                    | 5 – 150 ppb                    | Benzene                | Measured together with the Dräger-Tube Booster Basic (3702013) |
| 8610030    | Benzene 0.15 – 10 ppm                  | 0.15 – 10 ppm                  | Benzene                | —                                                              |
| 8610280    | Benzene 10 – 100 ppm                   | 10 – 100 ppm                   | Benzene                | —                                                              |
| 8610460    | 1,3-Butadiene 25 – 500 ppb             | 25 – 500 ppb                   | 1,3-Butadiene          | Measured together with the Dräger-Tube Booster Basic (3702013) |
| 8610300    | 1,3-Butadiene 0.5 – 25 ppm             | 0.5 – 25 ppm                   | 1,3-Butadiene          | —                                                              |
| 8610190    | Carbon Dioxide 200 – 50000 ppm         | 200 – 50000 ppm                | Carbon Dioxide         | —                                                              |
| 8610080    | Carbon Monoxide 2 – 1000 ppm           | 2 – 1000 ppm                   | Carbon Monoxide        | —                                                              |
| 8610010    | Chlorine 50 – 5000 ppb                 | 50 – 5000 ppb                  | Chlorine               | —                                                              |
| 8610200    | Ethylene Oxide 25 – 250 ppb            | 25 – 250 ppb                   | Ethylene Oxide         | —                                                              |
| 8610580    | Ethylene Oxide 0.25 – 10 ppm           | 0.25 – 10 ppm                  | Ethylene Oxide         | —                                                              |
| 8610540    | Formaldehyde 5 – 150 ppb               | 5 – 150 ppb                    | Formaldehyde           | —                                                              |
| 8610100    | Formaldehyde 0.15 – 3 ppm              | 0.15 – 3 ppm                   | Formaldehyde           | —                                                              |
| 8610270    | Petroleum Hydrocarbons 10 – 3000 ppm   | 10 – 3000 ppm                  | Petroleum Hydrocarbons | Sikloheksan olarak                                             |
| 8610090    | Hydrochloric Acid 0.5 – 25 ppm         | 0.5 – 25 ppm                   | Hydrochloric Acid      | —                                                              |
| 8610520    | Hydrocyanic Acid 0.5 – 50 ppm          | 0.5 – 50 ppm                   | Hydrocyanic Acid       | —                                                              |
| 8610050    | Hydrogen Sulfide 0.1 – 50 ppm          | 0.1 – 50 ppm                   | Hydrogen Sulfide       | —                                                              |
| 8610220    | Hydrogen Sulfide 100 – 2000 ppm        | 100 – 2000 ppm                 | Hydrogen Sulfide       | —                                                              |
| 8610360    | Mercaptan 50 – 6000 ppb                | 50 – 6000 ppb                  | Mercaptan              | —                                                              |
| 8610350    | Mercury 0.005 – 0.25 mg/m <sup>3</sup> | 0.005 – 0.25 mg/m <sup>3</sup> | Mercury                | —                                                              |
| 8610510    | Methylene Chloride 10 – 500 ppm        | 10 – 500 ppm                   | Methylene Chloride     | —                                                              |

| ORDER CODE | TUBE NAME                                  | MEASURING RANGE | SUBSTANCE                      | DESCRIPTION                                                    |
|------------|--------------------------------------------|-----------------|--------------------------------|----------------------------------------------------------------|
| 8610530    | Methyl Tert-Butyl Ether (MTBE) 2 – 200 ppm | 2 – 200 ppm     | Methyl Tert-Butyl Ether (MTBE) | —                                                              |
| 8610120    | Nitrogen Dioxide 0.25 – 25 ppm             | 0.25 – 25 ppm   | Nitrogen Dioxide               | —                                                              |
| 8610060    | Nitrous Fumes 0.25 – 50 ppm                | 0.25 – 50 ppm   | Nitrous Fumes                  | —                                                              |
| 8610430    | Ozone 10 – 1000 ppb                        | 10 – 1000 ppb   | Ozone                          | —                                                              |
| 8610040    | Perchloroethylene 1 – 500 ppm              | 1 – 500 ppm     | Perchloroethylene              | —                                                              |
| 8610340    | Phosgene 10 – 1000 ppb                     | 10 – 1000 ppb   | Phosgene                       | —                                                              |
| 8610400    | Phosphine 50 – 5000 ppb                    | 50 – 5000 ppb   | Phosphine                      | Measured together with the Dräger-Tube Booster Basic (3702013) |
| 8610110    | Sulfur Dioxide 0.05 – 5 ppm                | 0.05 – 5 ppm    | Sulfur Dioxide                 | —                                                              |
| 8610250    | Toluene 10 – 1000 ppm                      | 10 – 1000 ppm   | Toluene                        | —                                                              |
| 8610320    | Trichloroethylene 0.25 – 50 ppm            | 0.25 – 50 ppm   | Trichloroethylene              | —                                                              |
| 8610230    | Vinyl Chloride 0.1 – 10 ppm                | 0.1 – 10 ppm    | Vinyl Chloride                 | —                                                              |
| 8610260    | Xylene 10 – 1000 ppm                       | 10 – 1000 ppm   | Xylene                         | —                                                              |

## Standards

### STANDARD

EN 61326-1

## Certificates

ATEX

ATEX

IECEX

IECEX