

## Dräger Quaestor 5000 Test Equipment

All static and dynamic tests of the Dräger Quaestor 5000 take place semi-automatically as a sophisticated combination of personal handling and automated control during the test sequence. The newly developed software supports the user with intuitive user guidance.



## Benefits

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### Semi-automatic static and dynamic tests

It combines intelligent manual operation with technical sophistication to accelerate the test sequence. On the one hand there are processes, such as the control of the high pressure valve, which are fully automated. On the other hand certain individual tests require manual user intervention. With the Dräger Quaestor 5000 a test device is available that has been especially designed for respiratory protection workshops with moderate test volumes.

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### Modular product design

The Dräger Quaestor 5000 can test full-face masks, chemical protection suits, airline breathing equipment and compressed air breathing apparatus for functionality and leak tightness. The integrated artificial lung further permits dynamic simulated breathing tests. The high-precision and manufacturer-independent measurements are carried out according to EN 137 and vfdb guideline 0840-02.

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### Reduced weight and compact construction

Due to its small dimensions the Dräger Quaestor 5000 takes up only little space in the respiratory protection workshop. A reduced weight (max. 21 kg with test head) and a convenient carrying handle allow easy transportation, e.g. in service vehicles. A workbench fixture, included in the scope of supply for the base unit, ensures a stable alignment during testing.

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### Optimum tight fit for all mask sizes

The test head can be turned without restriction and removed as required. This flexibility allows the user to tailor the test design even more individually and comfortably to his requirements. The gel face of the test head which emulates the elasticity of the human facial skin optimizes the tight fit for all common mask sizes.

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### Intuitive software

The included software contains a comprehensive database of preinstalled amendable device data. With user notices and graphic elements the manual test steps are presented comprehensibly even for inexperienced users. After every completed test a test result report is created for documentation purposes. An optionally applied test-due list provides timely information about tests that are due. The software also permits a customer-specific design of the test sequences, events and intervals.

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### Comprehensive optional accessories

The QSI Box provides a noise insulation for the low pressure warning resulting in a significantly reduced noise perception by the user. A specially designed bracket ensures a comfortable rest position of the manometer or Dräger Bodyguard® during the test. In addition a holder for all mask-helmet combinations can be upgraded to the test head. Furthermore, a compressed air breathing apparatus holder allows for a positioning at eye level.

## System Components

D-13666-2010



### Dräger FPS® 7000

The Dräger FPS® 7000 full face mask series sets new standards in terms of safety and wearing comfort. Thanks to its enhanced ergonomics and the availability of multiple sizes, it offers a large, optimised field of vision and a very comfortable, secure fit.

D-13629-2010



### Dräger Panorama® Nova

The respiratory mask Panorama® Nova meets the highest standards of protection, sealing and quality. For decades proven worldwide, the full face mask represents absolute reliability in the protection of the respiratory tract and eyes.

ST-6147-2007



### Dräger PSS® 7000

Developed by professionals for professionals, the Dräger PSS® 7000 breathing apparatus is a major milestone in our continuing development of breathing devices for the professional firefighter.

D-4598-2010



### Dräger CPS 7900

Tailor-made for use under extreme conditions: The gas-tight Dräger CPS 7900 provides excellent protection against industrial chemicals, biological agents, and other toxic substances. Its innovative material qualifies the CPS 7900 equally well for work in explosive areas and for handling cryogenic substances.

## Accessories



D-46871-2015

### High pressure connection

Inlet: 8 mm pipe.



D-6653-2010

### Dräger QSI-Box

Used for the sound insulation of the low pressure warning.



D-6657-2010

### Compressed air breathing apparatus holder

Used to position the compressed air breathing apparatus upright during the test.



D-6622-2010

### Manometer holder

Used for the easy positioning of the manometers or Dräger Bodyguards® on the test device.

## Accessories



D-2249-2015

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### Mask-helmet adapter

Holder to be attached to the test head for all Dräger mask/helmet.



D-6646-2010

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### Breathing adapter

Enables a positive tightness test in accordance with vfdb 0804.



D-6652-2010

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### Medium-pressure hose

Hose to extend the connection from the medium pressure inlet to the medium pressure hose of the compressed air breathing apparatus.

## Related Products



D-963-2016

### Dräger Quaestor 7000

All static and dynamic tests of the Dräger Quaestor 7000 are carried out fully automatically. Controlled by the newly developed software, each test is carried out intuitively. For the user this guarantees high efficiency through comfort and speed.



D-12657-2014

### Dräger Prestor 5000

The Prestor 5000 from Dräger is a highly efficient device that tests the integrity and thus safety of full face respiratory masks. The automatic testing program reduces the time needed to inspect each mask, which makes the testing of even a large number of masks fast and convenient.



D-8496-2016

### Dräger Testor 2500/3500

The Dräger Testor 2500/3500 is a compact all-rounder for the static tests of your breathing protection equipment. Testing is reliable, easy, and convenient. The compact design enables both models to be integrated smoothly into any breathing protection workshop.



D-38692-2015

### Dräger RZ 7000

Easy to use: With the Dräger RZ 7000 you can carry out the function and leak tests of the Dräger PSS® BG 4 plus easier and faster than ever before.

## Technical Data

### Dräger Quaestor 5000

|  |  |
|--|--|
| Dimensions with test head (D x W x H)      | 50 x 55 x 65 cm  |
| Weight (fully equipped with test head)     | 21 kg  |
| Permitted temperature (storage)            | from -30°C to 60°C   |
| Permitted temperature (operation)          | from 0°C to 40°C   |
| Permitted air pressure                     | 800 to 1,200 hPa   |
| Permitted humidity                         | 30 to 90% rel. humidity  |
| Compressed air supply                      | Buffer bottle or pipework 300 bar stainless steel pipe                                 |
| Pressure sensor accuracy                   | Class ≤ 1.0 according to DIN EN 837  |
| Pressure ranges                            | High pressure 0...350 bar<br>Medium pressure 0...25 bar<br>Low pressure -40...+30 mbar |
| External cable connections                 | 1 x USB interface to the PC<br>1 x 24 V power adapter for 110/230 V power supply       |
| Breathing frequency of the artificial lung | 1 to 40 strokes/min  |
| Maximum breathing volume                   | 136 l/min  |
| Tidal Volume                               | max. 3.4 l   |

## Ordering Information

### Scope of performance

|                               |   |          |
|-------------------------------|---|----------|
| Dräger Quaestor 5000 Standard | PC-supported semi-automatic test instrument for the testing of full-face masks, chemical protection suits, airline breathing equipment and compressed air breathing apparatus | R 58 316 |
|-------------------------------|---|----------|

### Optional accessories

|   |   |           |
|---|---|-----------|
| Dräger QSI-Box                            | Used for the sound insulation of the low pressure warning                               | R 58 382  |
| Mask/helmet adapter                       | Holder to be attached to the test head for all Dräger mask/helmet combinations          | R 58 116  |
| Compressed air breathing apparatus holder | Used during the test to keep the compressed air breathing apparatus upright             | R 57 420  |
| Breathing adapter                         | Enables a positive leak tightness test in accordance with vfdb 0408                     | AG 02 535 |
| Gauge holder                              | Used for the easy positioning of the manometers or Dräger Bodyguards on the test device | R 58 025  |
| Wireless barcode scanner                  |   | AG 02 315 |
| Wired barcode scanner                     |   | AG 02 491 |
| Barcode-labels 30 x 13mm (outside)        |   | AG 02 395 |
| Barcode-labels 30 x 13mm (inside)         |   | AG 02 396 |
| Barcode-labels 22 x 8mm (outside)         |   | AG 02 551 |
| Barcode-labels 22 x 8mm (inside)          |   | AG 02 550 |
| Hose CPS-Test (suit with 2 valves)        |   | R 61 886  |
| Hose CPS-Test (suit with 1 valve)         |   | R 61 887  |
| Transponder reader                        |   | 65 59 283 |
| Transponder                               |   | R 56 375  |

## Ordering Information

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|--------------------------|-----------|
| Drägerware workshop 5000 | 65 38 007 |
| Drägerware workshop 7000 | 65 38 008 |

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