

Dräger Quaestor 7000 Test Equipment

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.



Benefits

Fully-automatic static and dynamic tests

The test process is fully automated. Automatically opening and closing valves accelerate the process and manual intervention is no longer required. An external microphone also automatically captures the switch-on point of the low pressure warning. Thus the service technician can use the time during the test for other activities.

Comprehensive test options

The Dräger Quaestor 7000 is available in four different versions that in each case test full-face masks, chemical protection suits, airline breathing equipment and compressed air breathing apparatus for functionality and leak tightness. Tests of diving apparatus (SCUBA), closed circuit breathing apparatus (CCBA) and safety valves (SV) are also possible, if required. The high-precision and manufacturer-independent measurements are carried out according to EN 137 and vfdb guideline 0840-02.

Ergonomic and flexible pressure connections

The pressure connections of the Dräger Quaestor 7000 are of ergonomic and flexible design. The medium pressure inlet is provided with an extendable hose, to eliminate the risk of leaks and resistance due to additional extension hoses. In addition the rotatable medium pressure outlet reduces the distance between the breathing connection of the lung demand valve and the mask opening or breathing adapter, e.g. if the test head has been rotated by 90 degree.

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. In addition, 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.

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.

Smart accessories

Included in delivery are an external microphone for the detection of the switching point of the low pressure warning and a specially designed bracket to ensure a comfortable rest position of the manometer or Dräger Bodyguard®. As optional accessory, the QSI Box guarantees a sound insulation of the low pressure warning. In addition a holder for all mask-helmet combinations can be upgraded to the test head. Furthermore,

Benefits

a compressed air breathing apparatus holder allows for a positioning at eye level.

System Components

D-4286-2010



Dräger PSS® 5000

The Dräger PSS® 5000 SCBA is a high-performance breathing apparatus for the professional firefighter. Combining advanced ergonomics with a wide range of configurable options, the Dräger PSS® 5000 provides the user with the comfort and versatility to meet the demands of first responders whenever breathing protection is required.

D-16515-2009



Dräger PSS® BG 4 plus

Designed especially for tough missions: The Dräger PSS® BG 4 plus closed circuit breathing apparatus combines uncompromising safety with the highest level of breathing and carrying comfort. The positive pressure unit supplies the wearer with up to four hours of breathing air, even in toxic atmospheres.

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.



D-22732-2009

Dräger CPS 5900

The Dräger CPS 5900 is the ideal disposable, gas-tight chemical protective suit for hazmat incidents. Where complete protection against hazardous gases, liquids and particles is of the utmost priority, this lightweight garment is the suit of choice.

Accessories



D-6653-2010

Dräger QSI-Box

Used for the sound insulation of the low pressure warning.



D-48872-2015

High pressure connection

Inlet: 300 bar G 5/8.



D-6657-2010

Compressed air breathing apparatus holder

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



D-6651-2010

Hose for CPS-Test

Necessary accessory for the automatic testing of a chemical protective suit.

Accessories



D-2249-2015

Mask-helmet adapter

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



D-6646-2010

Breathing adapter

Enables a positive tightness test in accordance with vfdb 0804.

Related Products



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.

Related Products



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 7000

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|--|--|
| Dimensions with test head (D x W x H) | 50 x 55 x 65 cm |
| Weight (fully equipped with test head) | 25 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 Medium pressure 0...25 bar Low pressure -40...+30 mbar Low pressure -70...+30 mbar (diving) Flow O ₂ for 1 – 4 l/min (CCBA) |
| External cable connections | 1 x USB interface to the PC 1 x 24 V power adapter for 110/230 V power supply 1 x connection for external microphone |
| 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 performances

| | | |
|---------------------------------|--|----------|
| Dräger Quaestor 7000 Standard | PC-supported fully-automatic test instrument for the testing of full face masks, chemical protection suits, airline breathing equipment and compressed air breathing apparatus | R 58 312 |
| Dräger Quaestor 7000 CCBA | PC-supported fully-automatic test instrument for the testing of full face masks, chemical protection suits, airline breathing equipment, compressed air breathing apparatus and closed circuit breathing apparatus | R 58 313 |
| Dräger Quaestor 7000 SCUBA | PC-supported fully-automatic test instrument for the testing of full face masks, chemical protection suits, compressed air breathing apparatus and diving apparatus | R 59 165 |
| Dräger Quaestor 7000 SCUBA/CCBA | PC-supported fully-automatic test instrument for the testing of full face masks, chemical protection suits, airline breathing equipment, closed circuit breathing apparatus and diving apparatus | R 58 314 |
| Dräger Quaestor 7000 Complete | PC-supported semiautomatic test instrument for the testing of full face masks, chemical protection suits, airline breathing equipment and compressed air breathing apparatus (including safety valve | R 58 364 |

Ordering Information

test at the pressure reducer) closed circuit
breathing apparatus and diving apparatus

Optional accessories

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|---|---|-----------|
| 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 to position the compressed air breathing apparatus upright during the test | R 57 420 |
| Breathing adapter | Enables a positive leak tightness test in accordance with vfdb 0408 | AG 02 535 |
| Hose CPS test (suits with 2 valves) | | R 61 888 |
| Hose CPS test (suits with 1 valve) | | R 61 889 |
| Wireless barcode scanner | | AG 02 315 |
| Barcode Laser Scanner Power Scan PM 8300 | | AG 02 491 |
| Barcode-label 30 x 13mm (outside) | | AG 02 395 |
| Barcode-label 30 x 13mm (inside) | | AG 02 396 |
| Barcode-label 22 x 8mm (outside) | | AG 02 551 |
| Barcode-label 22 x 8mm (inside) | | AG 02 550 |
| Transponder reader | | 65 59 283 |
| Transponder | | R 56 375 |
| Drägerware workshop 5000 | | 65 38 007 |
| Drägerware workshop 7000 | | 65 38 008 |

Notes

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