

Dräger Quaestor automatic



The Dräger Quaestor automatic is a fully automatic, universal test device that can be conveniently operated by PC.



ST-9950-2006

Dräger Quaestor Automatic

Test capabilities

The Dräger Quaestor automatic can be used for testing the safety of a wide variety of breathing protection equipment:

- Full face masks
- Compressed air breathing apparatus
- Chemical protection suits
- Diving suits
- Closed circuit breathing apparatus (optional)

The most important features

- Fully automated leakage and function tests in the high-pressure, medium-pressure, and low-pressure (static) range
- Testing of inhalation and exhalation resistance of a breathing apparatus, as well as dynamic middle pressure with the aid of a built-in artificial lung (dynamic)
- Inflatable test head for reliable mask testing
- Complete testing of a compressed air breathing apparatus, including a pressure gauge accuracy test, in less than eight minutes
- Automated measurement of the acoustic low-residual-pressure warning by microphone
- Patented, automatic neck valve for maintaining the required volume under vfdb 0804 on low-pressure tests
- For testing of chemical protection suits, the Dräger Quaestor automatic not only handles inflation of the suit, but also automatic adaptation of pressure during the relaxation phase
- Breathing tests of lung demand valves is possible using a breathing adapter

PC-based test procedure

The testing parameters for the breathing protection equipment to be tested are lodged in the included software and will be verified automatically during the testing process. As a matter of course, parameters can be changed or added, also for testing other manufacturer's protection equipment. The test sequences as well as the results are depicted graphically on the PC user interface. After each performed test a corresponding test protocol is generated, which can be printed out if required. Furthermore, the testing history of the breathing protection equipment can be retrieved at any time for statistical needs.

Comprehensive service

As much as the fireman needs to depend on his personal protective equipment, the technician in the workshop needs to trust his Dräger test equipment device when testing breathing apparatus or chemical protection suits. Neither one can take a risk. But like the personal protective equipment after use, also the test device has to be serviced on a regular basis. That is the only way to guarantee the security of the wearer of personal protective equipment. The Dräger Service provides regular maintenance so that you can rely on test equipment any time.

The Dräger Quaestor automatic, manufactured at our Lübeck site, is suitable for leakage tests under vfdb guideline 0804.

TECHNICAL DATA

Dimensions:	407 x 348 x 863 mm (D x W x H)	
Weight:	40 kg	
Permissible temperature:	Storage:	- 10 to 60 °C
	Operation:	10 to 45 °C
Permissible air pressure:	800 to 1200 hPa	
Permissible humidity:	30 to 90% rel. humidity	
Compressed air supply:	6 to 9 bar	
Electrical power:	110/230 V, 50-60 Hz	
Power requirements:	About 250 VA	
Serial computer interface:	RS 232	

Performance parameters

Artificial lung with a nearly sinus-shaped breathing rhythm

Breathing rate:	1–50 l/min
Displaced volume:	max. 3.4 l
Maximum respiratory volume:	100 l/min

ORDER INFORMATION

Dräger Quaestor automatic	Consisting of: basic device, test head, power cable, connecting cable to PC, blue cover cap, "Quaestor automatic" software, instructions on CD, database for storing and administering test results	AG 02 234
Dräger Quaestor automatic F	Like Quaestor automatic AG 02 234, plus flow sensor for testing closed circuit breathing apparatus	AG 02 332
Dräger Quaestor automatic SV	Like Quaestor automatic AG 02 234, plus built-in high-pressure valve for testing PA pressure reducers with safety valves	AG 02 333
Dräger Quaestor automatic F/SV	Like Quaestor automatic F AG 02 332, plus built-in high-pressure valve for testing PA pressure reducers with safety valves	AG 02 334

Required for operation

PC, monitor, printer (specification as per current offering)	If there is a PC, then the recommended minimum configuration is: Intel Pentium or equivalent processor; operating system: Windows 98, NT (4.0), 2000, XP; clock frequency: at least 600 MHz; main memory: at least 64 MB; free hard disk space: at least 1 GB; VGA colour graphics card and colour monitor; free serial interface; CD drive	upon request
Accessories for the PC	Administration software: Drägerware, barcode scanner, and barcode labels, transponder and transponder readers	upon request

SUBSIDIARIES

AUSTRALIA

Draeger Safety Pacific Pty. Ltd.
Axxess Corporate Park
Mt. Waverley. Vic 3149
Tel +61 3 92 65 50 00
Fax +61 3 92 65 50 95

FRANCE

Dräger Safety France S.A.S.
3c, Route de la Fédération
67025 Strasbourg Cedex
Tel +33 388 40 76 76
Fax +33 388 40 76 67

SINGAPORE

Draeger Safety Asia Pte. Ltd.
67 Ayer Rajah Crescent # 06 03
139950 Singapore
Tel +65 68 72 92 88
Fax +65 67 73 20 33

UNITED KINGDOM

Draeger Safety UK Ltd.
Blyth Riverside Business Park
Blyth, Northumberland NE24 4RG
Tel +44 1670 352 891
Fax +44 1670 356 266

CANADA

Draeger Canada Ltd.
7555 Danbro Crescent
Mississauga, Ontario L5N 6P9
Tel +1 905 821 8988
Fax +1 905 821 2565

MEXICO

Draeger Safety S.A. de C.V.
Av. Peñuelas No. 5
Querétaro, Qro México
Tel +52 442 246 1113
Fax +52 442 246 1114

REP. OF SOUTH AFRICA

Dräger South Africa (Pty) Ltd.
P.O.Box 68601
Bryanston 2021
Tel +27 11 465 99 59
Fax +27 11 465 69 53

USA

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

P. R. CHINA

Beijing Fortune Draeger
Safety Equipment Co., Ltd.
Beijing 101300
Tel +86 10 80 49 80 00
Fax +86 10 80 49 80 05

NETHERLANDS

Dräger Safety Nederland B.V.
Edisonstraat 53
2700 AH Zoetermeer
Tel +31 79 344 46 66
Fax +31 79 344 47 90

SPAIN

Draeger Safety Hispania S.A.
Calle Xaudaró 5
28034 Madrid
Tel +34 91 728 34 00
Fax +34 91 729 48 99

Dräger Safety AG & Co. KGaA

Revalstrasse 1
23560 Luebeck, Germany
Tel +49 451 882 0
Fax +49 451 882 2080
www.draeger.com