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F6000 Safe-Air Tester for Breathing-Air Systems

The F6000 is new electronic test instrument to complement Factair's existing range of Safe-Air Testers. This instrument enables breathing-air tests to be easily and quickly carried out without the need for any chemical reagent tubes, making the unit ideal for use in environments where glass products are not permitted. The unit supports a range of international standards and in the UK this ensures complete compliance with the relevant requirements of COSHH L5.

Mounted within a tough impact and weather resistant PELI case the F6000 can be powered by either 6 No AA batteries or a mains power adaptor which is supplied with the unit. The F6000 features a intuitive touch screen display, making air quality testing both easy and quick to complete, with a typical test taking approximately 10 minutes.

The breathing-air supply is subjected to an automatically controlled test against the requirements of EN12021 1999, or the alternative international standards availabe from the instrument's menu. The F6000 incorporates electronic cells for carbon monoxide, carbon dioxide, and oxygen. Moisture levels within the breathing air are measured by a dewpoint sensor, which is specially suited to sample air quality testing, ensuring an accurate moisture reading within the standard test time. The instrument then displays the result in pressure or atmospheric dewpoint levels, as well as providing the concentration in mg/m^3. It also includes an electronic flowmeter for measuring air flow rates up to 600 l/min, a digital display for airline pressure and ambient temperature reading.

Oil measurements are completed using the Draeger Impactor, which is inserted into a test port on the instrument. The Impactor has no glass or hazard components and can test for all known synthetic and mineral oils. This port is also compatible with a range of additional Draeger chemical reagent tubes, with test times which can be programmed via the menu, to identify other potential contaminants.

At the end of each test, results can be stored within the F6000 memory and then retrieved on screen and downloaded, via a USB cable, to a PC. Each instrument is provided with PC compatible software which provides an easy way to retain and print test results.

The unit is designed to test low-pressure airline breathing systems but can be used with the F3002 high-pressure regulator assembly to test HP cylinders. Factair's quality accredited instrument workshop provides recalibration and servicing for the unit.

Factair Ltd. 49 Boss Hall Road, Ipswich Suffolk IP1 5BN
Tel Sales: +44 (0) 1473 746400 Fax: +44 (0) 1473 747123 Email: enquiries@factair.co.uk **www.factair.co.uk**

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Model	Width	Height	Height	Weight
F6000	210 mm	215 mm	75 mm	1.6 Kg

Accessories

8103530
Draeger Oil Impactor

F3002 High Pressure Regulator
Up to 300 bar
(Included as standard with the F6001).

Other Factair Breathing Air Quality Testing Instruments

F6100 Safe-Air Monitor
Designed to provide on-line breathing-air quality monitoring the F6100 features the same key features as the F6000 but with additional datalogging features and remote alarm and SMS text output options to notify users when periodic oil Impactor tests are required or breathing-air standard limits have been exceeded.

F4000 and F4000ED Safe-Air Testers
These instruments are designed to test low-pressure airline breathing systems utilising Draeger chemical reagent tubes and the oil Impactor. They can also be used with the F3002 high-pressure regulator assembly to test HP cylinders. Both units have an inbuilt electronic sensor with digital readout measures oxygen content, whilst an electronic flowmeter allows airflows of up to 600 l/min to be verified. The F4000ED also features has an integral electronic dewpoint sensor.

F4001 and F4001ED High Pressure Safe Air Testers
Designed specifically for high pressure systems, the F4001 and F4001ED come complete with the F3002 regulator to reduce the pressure from a maximum of 300 bar. The instruments feature an odour check facility in the place of the digital flowmeter fitted in the F4000/F4000ED and again utilise Draeger chemical reagent tubes and the oil impactor. The F4001ED also features has an integral electronic dewpoint sensor.

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