

F6000 Safe-Air Tester for Breathing-Air Systems



The F6000 is a new addition to Factair's 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 2014, or the alternative international standards available 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.



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

F6001 High Pressure Safe Air Testers

Designed specifically for high pressure systems, the F6001 come complete with the F3002 regulator to reduce the pressure from a maximum of 300 bar. The instruments utilises the same sensor technology as the F6000 and features an odour check facility in the place of the digital flowmeter.

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.