

Medical and Surgical Air Quality Testing

Factair, UK market leader in breathing air quality testing instruments, has recently launched the F3004 Medic-Air Tester. The F3004 had been designed to establish air quality for medical and surgical air systems in accordance with the recently revised European Pharmacopoeia Convention.

The convention now permits two levels of acceptable water levels either 60 ppm or 870 ppm dependent upon the type of system. The F3004 can be programmed to check for both levels.

Additionally, with the ongoing introduction of specialist compressor oils the F3004 has a fully programmable test facility when used in conjunction with Factair's oil test data provided on over 300 different compressor oils which ensures oil determination down to 0.1 mg/m³.

The detection parameters of the convention are met or exceeded during the test by using Draeger detector tubes. These establish levels of carbon monoxide, carbon dioxide, water vapour, oil, nitrous fumes, sulphur dioxide and hydrogen sulphide, present in the sample. An in-built electronic sensor with digital read out measures oxygen content together with digitally displayed system pressures and temperatures.

The instrument is completely portable, operating from standard AA batteries, which provide a prolonged operating life. The unit is supplied with a 'laptop' style carrying case which protects the unit during transport and has individual pockets for storing chemical reagent tubes, inlet adaptors, tube tip cutter and documentation.

The F3004 will test systems between 1.5 bar and 10 bar and can be provided with an optional regulator and connecting hose to accept pressures up to 20 bar.

The instrument has been developed from the same proven technology as the F3000 and F3001 Safe-Air Testers for breathing-air systems. With their user friendly menu, air quality testing is easy to complete and once set the instruments can be left unattended to complete a test. By using the F3004 customers can be certain of achieving accurate and consistent results.

