factair

F8104
Medical-Air Monitor

The F8104 Medical-Air Monitor is Factair's most advanced medical, surgical and dental-air quality monitoring instrument.

With a 7" touch screen colour display the instrument has been designed for ease of use making it easy to verify the quality of medical, surgical and dental air against a range of international standards including EU Pharmacopoeia, HTM 02-01, HTM2022 Supplement 1. The instrument can also test breathing-air supplies to EN 12021, CGA G-7.1-2011 grade D and AS-NZS 1715:2009.

The F8104 incorporates electronic sensors for carbon monoxide, carbon dioxide, oxygen, nitrous fumes (both nitrogen monoxide and nitrogen dioxide) and sulphur dioxide. Levels of volatile organic compounds (VOCs) are tested with a PID sensor and a sample test point allows you to test for the presence of oil aerosols using a Dräger Impactor. An electronic dewpoint meter measures moisture content.

The instrument has a number of connectivity options including: outputs for remote alarms; Ethernet and GSM modem, providing alarm and read out data over a mobile network.

TECHNICAL DATA		
SENSORS	**RANGE**	**SENSOR TYPE**
O_2	0-25%	Electrochemical
CO	0-20 PPM	Electrochemical
SO_2	0-10 PPM	Electrochemical
NO_X	0-10 PPM	Electrochemical (NO and NO_2 sensor)
CO_2	0-2000 PPM	Non-Dispersive Infrared
VOCs	0-40 PPM	Photoionisation Detector (PID)
Moisture	-100°C to +20°C Pressure Dewpoint	Ceramic Moisture Sensor Dewpoint Meter
Test Port	Impactor for oil aerosols and Dräger detector tubes	

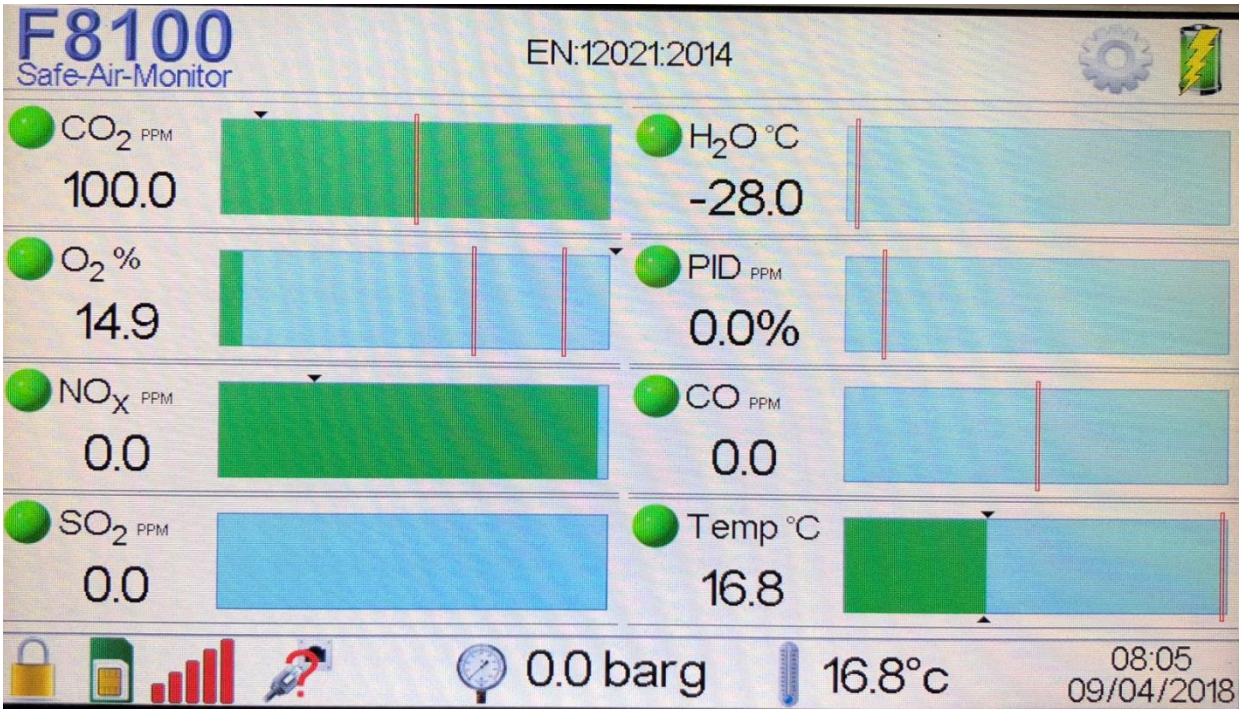
SOFTWARE
Configuration of test standard and limits accessed via webpage Data logging results can be reviewed on screen or remotely via the webpage Downloadable test results

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**

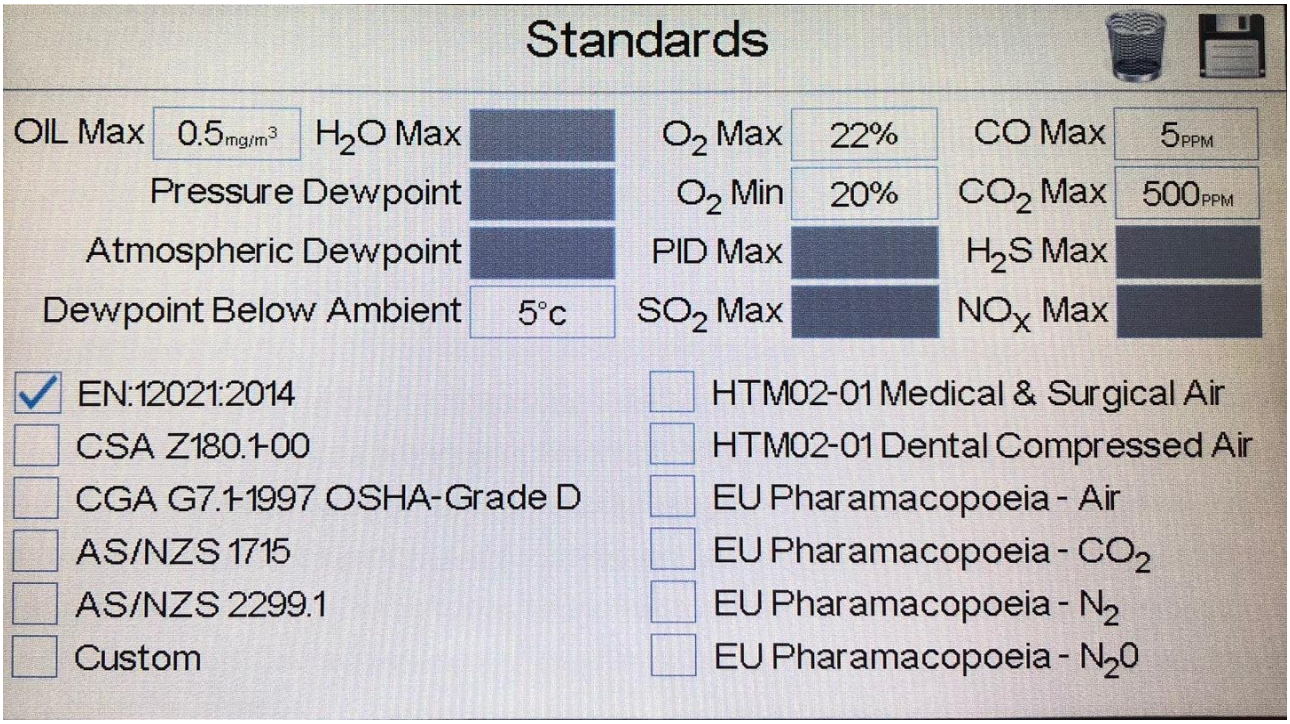
factair

F8104
Medical-Air Monitor

HOME SCREEN – (EXAMPLE FOR F8100 CONFIGURED FOR BREATHING-AIR READINGS)



TEST STANDARD SELECTION

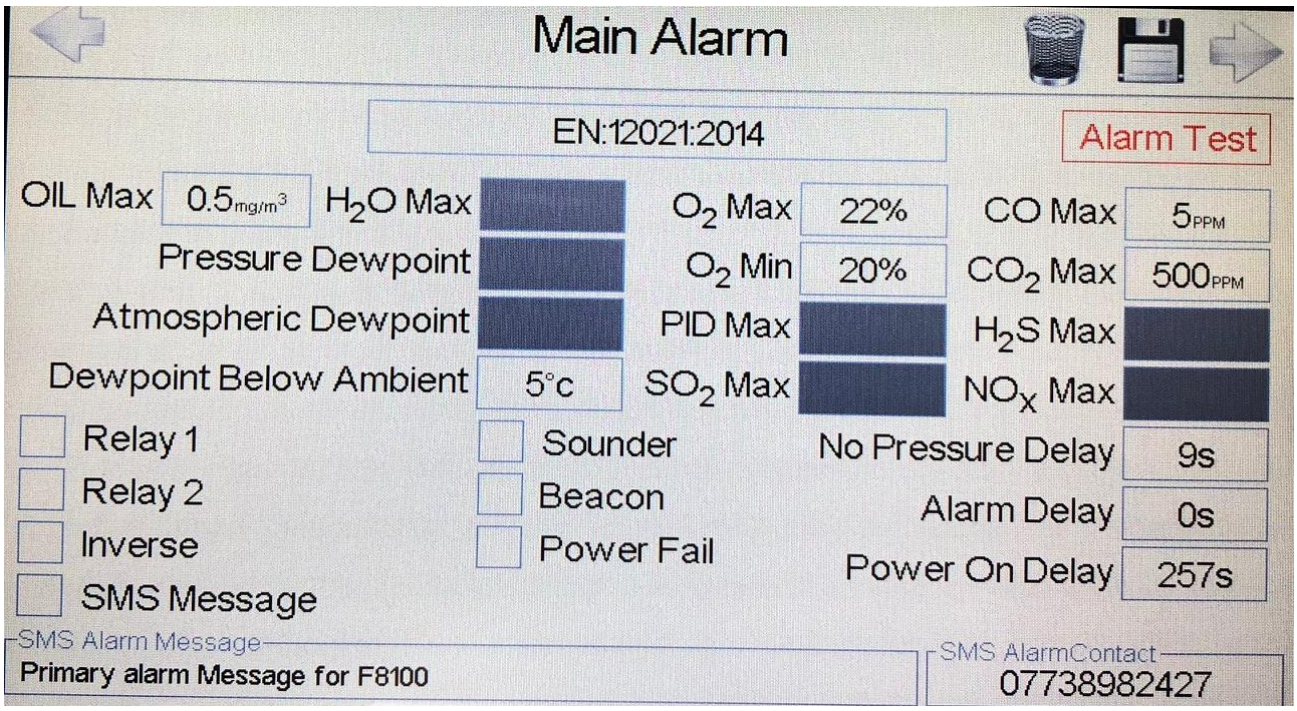


Factair Ltd. 49 Boss Hall Road, Ipswich Suffolk IP1 5BN
Tel Sales: +44 (0) 1473 746400 Fax: +44 (0) 1473 747123 Email: enquiries@factair.co.uk **www.factair.co.uk**

factair

F8104
Medical-Air Monitor

MAIN ALARM CONFIGURATION SCREEN



The F8104 provides data-logging which can be downloaded via USB cable, Ethernet, memory stick or GSM connection. Individual sensor readings can also be reviewed on screen as shown below.

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**

factair

F8104
Medical-Air Monitor

A SIM card can be fitted in the F8104 to provide SMS text alerts if any of the sensor readings exceed their pre or main alarm limits

Safe Air Monitor Sno:
8100-003
Primary alarm Message for F8100

You can also check the instrument from another mobile number by texting the SIM card number in the F8100 with the text “Status”, an example of this is shown below:

Status

Safe Air Monitor Sno:
8100-003
Mains Power Fail
Low Pressure Fail
Sensor in Alarm
Sensor not in Pre-Alarm

By texting the SIM card number in the F8104 with the text “Hello” it will respond with an SMS detailing the instrument’s version number and the mobile network signal strength.

By texting the SIM card number in the F8104 with the text “Values” it will respond with an SMS detailing the current sensor readings, an example of this is shown below:

Values

Safe Air Monitor Sno:
8100-003

Athmospheric Dewpoint H2O DegC:4.6
O2 Sensor: 18.6
CO2 Sensor:913
VOC Sensor:0.0
CO Sensor:0.0
Pressure(BARG):0.0

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**