



The F8100 Safe-Air Monitor is Factair's most advanced breathing-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 breathing-air systems against a range of international standards including EN 12021, CGA G-7.1-2011 grade D and AS-NZS 1715:2009.

The instrument incorporates electronic sensors for carbon monoxide, carbon dioxide and oxygen. 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.

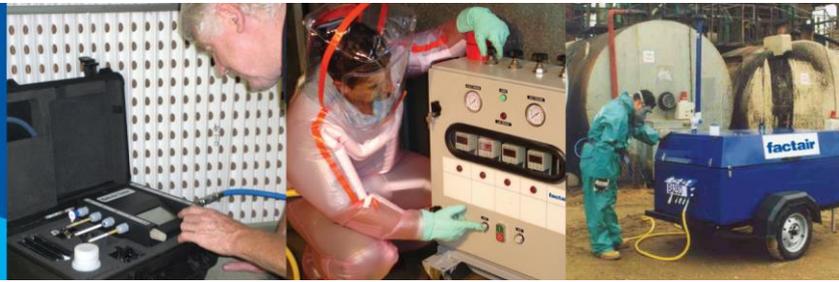
With a large 175mm colour touch screen display the instruments have been designed for ease of use; the sensors can be configured specifically for your application. As well as displaying the live sensor readings, results are also data-logged in the instrument, these can be interrogated via the display and also downloaded to a PC.

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

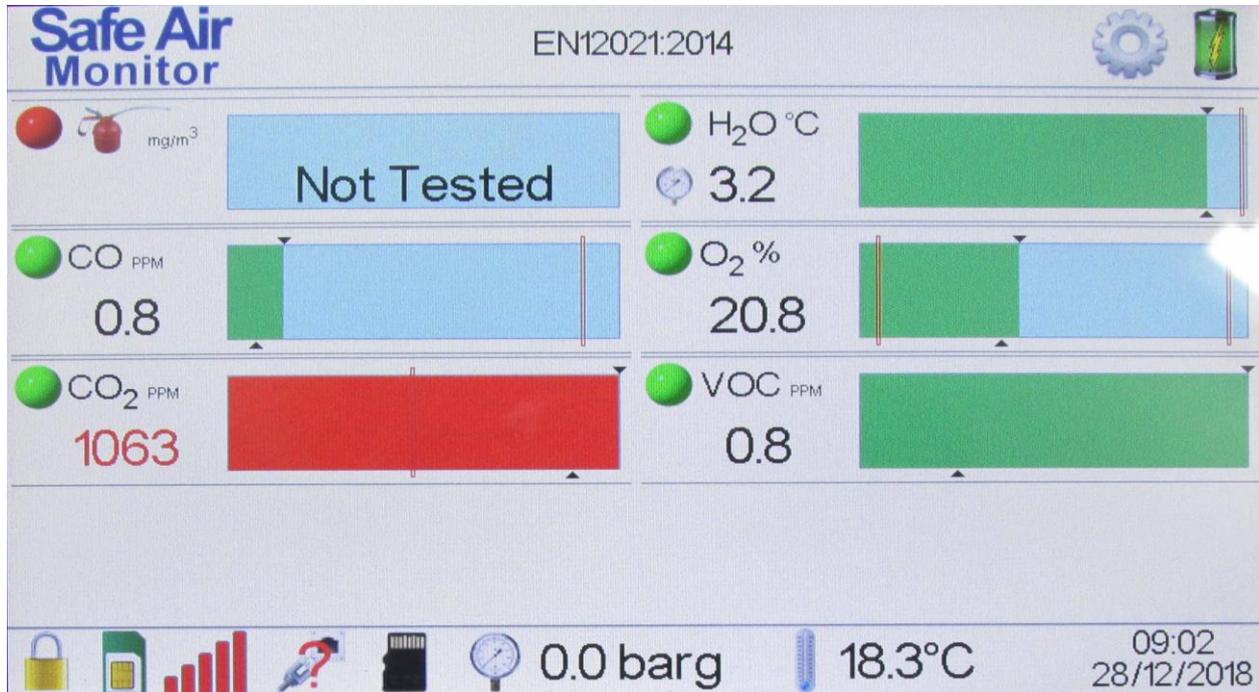
TECHNICAL DATA		
SENSORS	RANGE	SENSOR TYPE
O ₂	0-25%	Electrochemical
CO	0-20 PPM	Electrochemical
CO ₂	0-2000 PPM	Non-Dispersive Infrared
VOCs	0-40 PPM	Photoionisation Detector (PID)
Moisture	-100°C to +20°C Pressure Dewpoint	Ceramic Moisture Sensor Dewpoint Meter
Test Port	Impactor for oil aerosols and Dräger detector tubes	

SOFTWARE

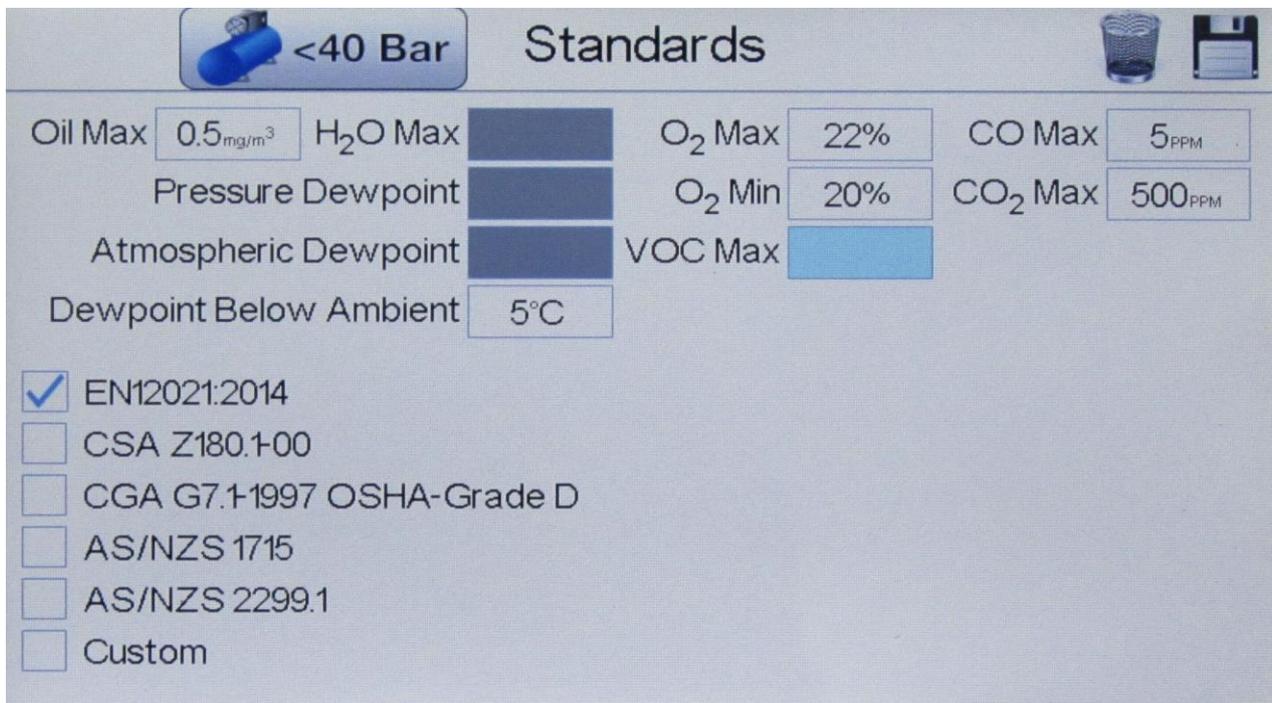
Configuration of test standard and limits accessed via on screen software
Data logging results can be downloaded using PC software provided



HOME SCREEN



TEST STANDARD SELECTION





MAIN ALARM CONFIGURATION SCREEN

←
 <40 Bar
Main Alarm
 →

EN12021:2014
Alarm Test

Oil Max	0.5 _{mg/m³}	H ₂ O Max		O ₂ Max	22%	CO Max	5 _{PPM}
Pressure Dewpoint		O ₂ Min	20%	CO ₂ Max	500 _{PPM}		
Atmospheric Dewpoint		VOC Max					
Dewpoint Below Ambient	5°C						

Relay 1
 Relay 2
 Inverse
 SMS Message

Sounder
 Beacon
 Power Fail

No Pressure Delay 0s
 Alarm Delay 5s
 Commissioning Delay 30m

SMS Alarm Message
 Primary alarm Message for F8100

SMS AlarmContact
 07738982427

The F8100 provides data-logging which can be downloaded via USB cable. Individual sensor readings can also be reviewed on screen as shown below.





SMS UPDATES

A SIM card can be fitted in the F8100 to provide SMS text alerts if any of the sensor readings exceed their pre or main alarm limits

Safe Air Monitor Sno:
[8100-003](tel: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](tel:8100-003)
Mains Power Fail
Low Pressure Fail
Sensor in Alarm
Sensor not in Pre-Alarm

By texting the SIM card number in the F8100 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 F8100 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](tel:8100-003)

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