

ALTAIR 5X with Colour Display

Multi-Gas Detector with MSA XCell Sensor Technology



Function Check

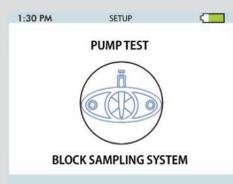
1. Visual Inspection

- Filter clean
- Gas inlets free
- Gas detector and accessories not damaged

2. Turn on in Fresh, Uncontaminated Air

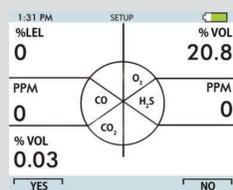
- Press **ON/OFF** button, self test starts
- Check information on display, LEDs must flash shortly, audible alarm sounds
- Sampling safety test is initiated

3. Run Sampling Safety Test



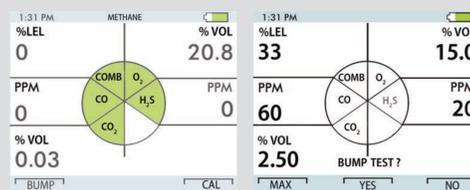
Block sampling system (pump inlet or sampling line) until PASS message appears.

4. Run the Fresh Air Setup (FAS)



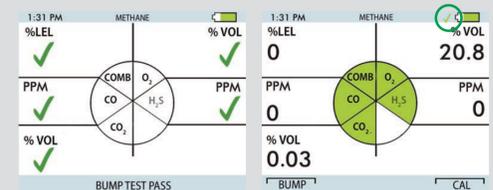
Press **ON/OFF** button.
Perform „FAS“ only in fresh, uncontaminated air. Otherwise inaccurate readings can occur.

5. Perform Bump Test to Verify Proper Device Operation



Select BUMP in the MEASURE page by pressing the **DOWN** button, press **ON/OFF** (YES) button to perform Bump Test, connect the correct calibration gas cylinder with your device and wait.

6. Finish the Function Tests



After BUMP TEST PASS appears, detach the cylinder. (If there are more sensors to be bump tested, the next sensor displays and the process repeats.) Cancel occasionally occurring alarms by pressing the **UP** button and check if the **✓** is displayed. (YES = ready for use, NO = repeat Bump Test) Record the results.

Battery Condition

MotionAlert ON

Vibration Alarm OFF

Sensor Life Symbol: Orange indicates that the sensor is approaching its end-of-life. Device can still be used.

Sensor Life Symbol: Red indicates that the sensor has reached its end-of-life and should be replaced. Device is not operable.



Bump Check Symbol: Indicates successful bump or cal.

MIN Page: Shows the lowest oxygen level recorded since device was turned on or reading was reset.

PEAK Page: Shows the highest levels of gas recorded since device was turned on or peak readings were reset.

STEL (Short Time Exposure Limits): This page shows the average exposure over a 15-minute period.

TWA (Time Weighted Average): This page shows the average exposure over 8 hours.

Comb Cylinder
1.45 Vol% CH₄ (29% LEL)

Calibrated to
METHANE
PENTANE
PROPANE
HYDROGEN

Readings on Display
33% LEL*
58% LEL
46% LEL
32% LEL

* in some countries (like Switzerland) 29% LEL due to the different value of 100% LEL at 5.0 %Vol instead of 4.4 %Vol



XCell
SENSORS

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