QUICK START GUIDE: Tetra 3 Personal Gas Monitor

This guide is meant to serve as a quick reference for operating the Tetra 3 Personal Gas Monitor. It is for your convenience and is not intended to replace the information found in the Operations Manual provided.

Operation

1. Ensure unit is in clean air
2. To turn on unit press & hold operator button until red LED flashes. Unit will activate & proceed through a warm up sequence (45 seconds)
3. Once warm up sequence is complete unit will display an Auto Zero screen. Press operator button once to confirm auto zero. If auto zero is not confirmed within 10 seconds unit will proceed to run mode without performing zero
4. Unit is now in run mode.

In the event of an alarm: refer to Calibration Certificate and attached sheet for alarm thresholds

In the event of gas concentrations exceeding the alarm thresholds for any gas being monitored, Tetra 3 will activate audio, visual & vibrating alarm signals.

When gas levels return to normal you can reset unit back to normal run mode by pressing the operator button once. Unit will only return to normal run mode if gas levels are no longer in alarm.

To turn off unit, press & hold operator button for 5 seconds

To Bump Test

1. Unit must be turned on & in normal run mode
2. Clip & fasten flow plate to unit with hoses correctly connected to inlet & outlets
3. To start bump test, swipe magnet over Crowcon bubble badge on front of unit. Display will show GAS TEST & a progress bar
4. Turn on gas regulator while progress bar is counting down. Progress bar will complete after approx. 40 seconds & a pass or fail message will appear.
5. Disconnect flow plate & press operation button to return to normal run mode.

If Bump Test fails contact Van Walt for assistance.

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RR164V2_15/02/2016_JO

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IMPORTANT NOTICE

Over range sensor shutdown

Tetra 3 uses a catalytic flammable gas sensor, which measures the flammability of the gas. For this reason, readings displayed on the unit will be unreliable over concentrations of approximately 120% LEL. Oxygen in necessary for catalytic sensors to operate. A 'pellistor saver' is used to disconnect power to the pellistor sensor in the event of over-range to prevent burnout (the alarm will sound and the unit will lock out). The unit locks out for 200 seconds after which a button press will restore power to the pellistor. Or the unit can be turned off in the normal way. Restart should be carried out in a known fresh air environment. If the unit is restarted in an over range environment, damage can occur to the pellistor sensor.

Low Oxygen Environment

Depleted oxygen levels can reduce the flammable gas reading. If oxygen levels are low safe breathable limits it should be assumed that the flammable reading is low.

Extreme humidity conditions

Extreme humidity conditions can cause unreliable readings. The sensors are rated for an (average) ambient of 20-90% R.H. However these units are used from the deserts to the tropics to the tundra without this normally being a problem.

Water

This unit is dust and water resistant to IP65. Water should not be allowed to collect on the sensors as this may impede gas diffusion.

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How to zero the Tetra 3 LEL Monitor Video