



Leave flow diverter on and
move through fresh air



Calibrate Analyser to 20.9%



Turn on cylinder gently
and feel gas flow



With an A-Clamp outlet,
gently push the dome
against the 'O' ring



With a DIN outlet gently push
the dome into the DIN thread

When the reading on
the analyser stops rising
turn off the cylinder.
The reading may fall
slightly then stop as the
pressure reduces.
This the reading of the
Oxygen in the cylinder.

 **Always refer to the instructions supplied with the Analyser**

Calibrate in Fresh Air

Place the domed end of the **Quick-Ox** firmly against the 'O' ring or into the DIN fitting as far as it will go. For best results, try to ensure that the gas from the cylinder is aimed at the concave in the dome. The reading will rise. If the reading rises too slowly, increase the flow rate. Depending on the flow rate, the reading may fall slightly then stop. This is the Oxygen in the cylinder.

If the measured result does not agree with the calculated value, repeat from start.

The reading will be maintained because the gas is trapped in the Tee. To re-calibrate, remove the flow diverter from the Tee and calibrate. The dome radius and the concave gas entrance hole prevent any Venturi effects.

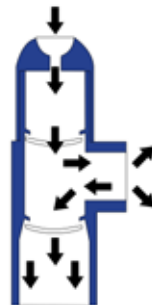
The main gas path is across the sensor face, ensuring low pressures on the very thin sensor membrane, preventing inaccurate readings and the possible shortening of the sensor life. The diverter diverts part of the gas gently upwards enabling the sensor to react quickly to gas changes. The one way valve traps the gas when the cylinder is turned on giving the analyser a memory effect.

The gas can be measured with zero flow (ideal). There is no flow rate effect on the reading. The gas quickly reaches room temperature, so there is no base-line drift due to the normal cold flowing gas competing with the temperature compensation in the sensor at room temperature.



Quick-Ox

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