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## Test & Measurement

- > sales
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- > calibration
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## Complimentary Reference Material

This PDF has been made available as a complimentary service for you to assist in evaluating this model for your testing requirements.

TMG offers a wide range of test equipment solutions, from renting short to long term, buying refurbished and purchasing new. Financing options, such as Financial Rental, and Leasing are also available on application.

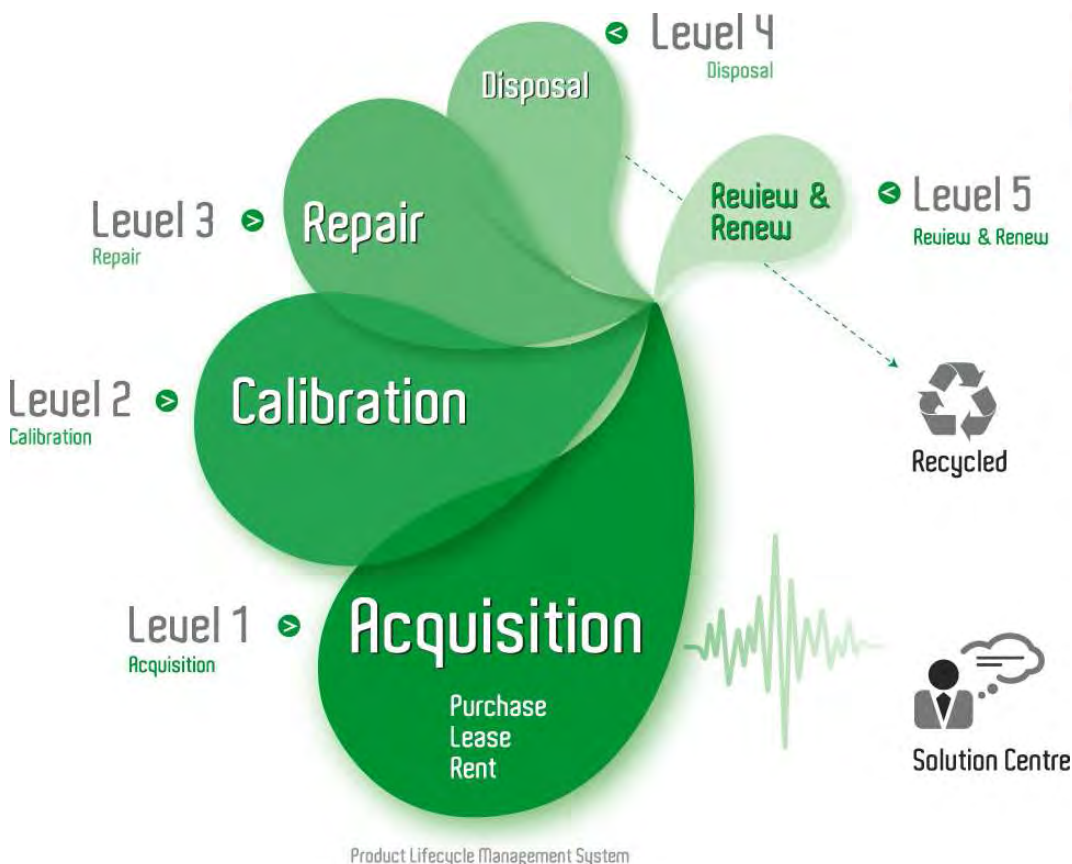
TMG will assist if you are unsure whether this model will suit your requirements.

Call TMG if you need to organise repair and/or calibrate your unit.

If you click on the "Click-to-Call" logo below, you can call us for FREE!

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## **PEEL GAS DETECTOR Model : 01-OAVB-02**

**Upgrade from 3 gases to 4 gases to include oxygen deficiency or excess.**

The Model No. 01-OAVB-02 has all the 01-OAVB(3 Gas) features(see overleaf), plus the unit has now been upgraded to include Oxygen detection (Now 4 Gas Detection).

- Air sensing is via 2 holes in the case below to the original hand held probe.
- The Oxygen sensor is positioned near the first hole closer to the front of the unit.
- The O<sub>2</sub> detection system does not require warming up.
- Calibration is set and there are no future adjustments to be made.
- SAFE oxygen levels are displayed on power up with the BLUE led on.



### **Alarm levels:**

- 1 ) LOW - Deficiency alarm at 19.5% O<sub>2</sub> Content  
Constant sound and the deficiency O<sub>2</sub>-RED led on with the GASES alarm on
- 2) HIGH- Excess alarm at 22.5% O<sub>2</sub> Content  
Constant sound and the excess YELLOW led on with the GASES alarm on

The two constant O<sub>2</sub> alarms are independent, distinctive and do not interfere with the normal operation of the original 3 gas detector !

(On request the alarm levels can be preset as needed for other applications.)

### **Operating Instructions:**

Power on the unit by pressing the on/off button .

The gas detector is now actively sensing the normal O<sub>2</sub> levels of around 21%.

Continue to use the Peel gas detector for the other 3 gases as per instruction.

### **Oxygen Sensor Notes:**

The PEEL oxygen sensor was developed based on a number of design requirements including constant monitoring and accuracy.

The oxygen sensor used for this product meets all the quality requirements for ISO9001 as demonstrated by the manufacturer.

Sensor model: KE-25 by Figaro.

This sensor is an oxygen powered micro battery and the output voltage is directly proportional to the oxygen concentration in the air.

This voltage is produced constantly from the moment of manufacture without the need for external energy. The sensor also includes temperature and pressure compensation.

The output accuracy is calibrated at manufacturing to be 1% for a projected time of 5 years.( Specific KE-25 technical data can be supplied on request )

To maintain the level of precision each sensor is tested and validated for accuracy before it is used in production.

The sensors need to meet the laboratory calibrated values of the approved production reference.

### **Please Note –**

**Certain Applications using Peel Gas Detectors may involve potential risks of Death, Personal Injury, or severe property or environmental damage (“Critical Applications”). Peel Gas Detectors are not Authorized, or warranted to be suitable for use in Life-Support Devices or systems or other Critical Applications. Inclusion of Peel Gas Detectors is understood to be fully at the Customer’s Risk.**