



**JMW Limited**

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## **FLUE GAS ANALYSERS COLD WEATHER PRECAUTIONS**

**It is important that flue gas analysers are kept in a warm place overnight.**

Electronic equipment that becomes especially cold, from being left in a vehicle overnight for example, can suffer problems when taken into a warm area. Condensation may form which can affect the operation of the equipment and can even cause permanent damage to the circuitry.

The electrochemical sensors used in flue gas analysers can also be affected by condensation or by water being sucked into the analyser as this can block the very small aperture on the sensor. When this happens the sensors stop detecting the flue gas which is normally indicated by:

Oxygen or carbon dioxide reading displayed as ' - - - - '

'Oxygen error'

'O2 error'

'O2 cell depleted'

The sensors may be permanently damaged but, if acted upon promptly, the situation may be rectified.

If it is suspected that the analyser is being affected by condensation or water ingress leave the analyser running in a warm place with the pump on (use the mains adaptor/charger if necessary) sampling fresh air for a few hours.

If problems are still experienced please contact JMW Limited

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