

USER APPLICATION NOTE

APPLIANCE MANUFACTURE

BOSCH
BOSCH GROUP

Worcester Bosch Limited is part of the world-famous Bosch Group that play a leading role in many industries, one of them being gas appliance manufacturing. Several companies in the group have now introduced ADC gas analysers during the control of the manufacture of their gas appliances.

During R & D and gas appliance manufacture it is absolutely vital those gas fire appliances and flues are tested for emissions to ensure they meet the regulations for CO, CO₂ and NO_x emission levels.

Cleverly contained within a single instrument, separate facilities exist to perform the measurements for CO and CO₂ using infrared technology and chemiluminescence for NO_x emissions. To ensure the highest standards and ease of use the system includes a regular and easy calibration method.

Previous generations of systems (WA154) required three systems to accomplish the same performance of the MGA3000.

ADC MGA3000-CS systems are also being employed by Bosch Group companies in Portugal and Turkey.



An ADC gas analyser in use at a boiler facility



The ADC MGA3000-CS Combustion System

The system chosen by Worcester Bosch is the MGA3000-CS Combustion System with optional chemiluminescence technology for NO_x emissions. Main characteristics of the system is:

- **Simultaneous Measurement of CO, CO₂ and NO_x Emission Levels**
- **Displayed Ratio CO and CO₂**
- **RS232 Interface**
- **Infrared and Chemiluminescence Technologies**
- **User Friendly Controls**
- **Auto Zero**
- **Compact and Robust**
- **Low Maintenance Requirement**
- **Best Price Performance Ratio in the Market**



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