

# LAND

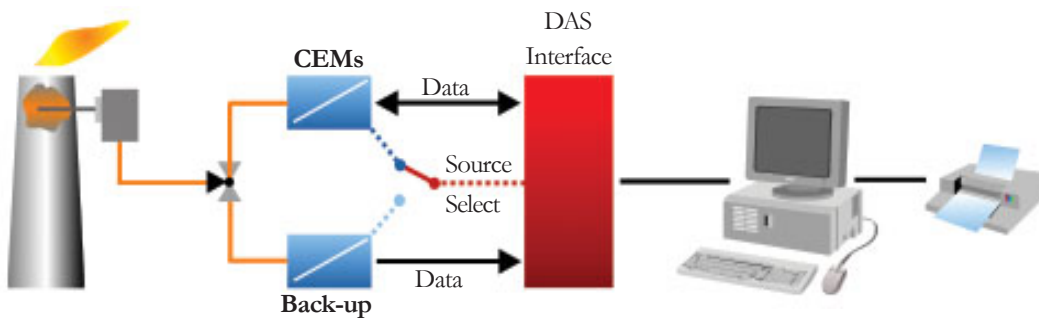


## Continuous Emissions Monitoring System - Backup

### An ideal back-up solution for your CEMs

#### How can you ensure continuous emissions data availability from your CEMs ?

What happens to your emissions data when a CEMs undergoes routine maintenance or an unexpected breakdown occurs? Simple, it continues to be captured with the LAND CEMs Back-up system. This system keeps data downtime to a minimum - and ensures that any possible restrictions on data availability as part of an operating permit are met. The CEMs Back-up system can operate for minutes, hours or days, until the CEMs is back on-line.



#### LAND CEMs Back-up System

The system is a compact unit, which has permanent connection into the sample system of the CEM. The switchover from the CEM to the Back-up system only takes a matter of minutes. Switchover is a simple manual operation, with automatic indication to the data recording system. Where a LAND Data Acquisition System (DAS) is being used, it will automatically acknowledge the switchover and continue with seamless data logging, the change in source of data being captured in the event log.

### Key Features & Benefits

- Back-up system is compact and inexpensive
- Maintains high emissions data availability - reduces downtime
- Immediate switchover from the CEM system - without delay
- Data recording - there is no break in emissions data readings
- Simple integration into a Data Acquisition System
- Proven solution, based upon a simple but effective design.

## Office Locations

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## Specifications

### LAND CEM Back-up System

|                      |   |
|----------------------|---|
| Measurement Method:  | Analyser configured to match CEM gas measurement requirements |
| Switching Method:    | Simple, two position switchover (Back-up or CEM)              |
| Inputs/Outputs:      | Range of analogue and digital I/O Unit options                |
| Communications:      | Serial RS 485 Modbus  |
| Power Supply:        | 95-265 V a.c. $\pm 10\%$ , 50-60 Hz, 30 Watts                 |
| Ambient Temperature: | -5 °C to 45 °C (+23 °F to 113 °F)                             |
| Environmental:       | Enclosure sealed to IP65 / NEMA4                              |
| Size (w x h x d):    | 600 x 600 x 210 mm / 24 x 24 x 8 inches                       |



### Key

1. CEM Back-up analyser
2. Input and Output modules
3. Sample gas input and exhaust output

## Product Range

- Zirconia Oxygen Probes
- Carbon Monoxide Monitors
- Continuous Emissions Monitoring
- Dust & Opacity Monitors
- Portable Gas Analyzers
- Coal Mill Fire Detection
- Turbine Blade Temperature Monitoring
- Road Tunnel Monitoring
- Data Acquisition Systems



For further details on any LAND product - visit our website

# LAND

[www.landinst.com](http://www.landinst.com)

## Quality Assurance

LAND Factory Quality Management System is ISO9001 Certified for both Sales and Service.



*Approval applies to products designed and manufactured in the UK*



*Approval applies in the USA*