



## EMS 14 10 Channel CO2 Analyser

- Infra - red analysis
- Auto zero checking
- Long term accuracy
- 10 channels
- Simple to install
- Easy to Operate

The analyser used in the system is a non-dispersive infra red analyser, microprocessor controlled with auto zeroing. This highly reliable analyser requires very little maintenance: periodic changing of the soda lime and a 3 monthly check of the span. These are very simple and quick operations to carry out.



Air is drawn to the analyser by a small pump. The monitoring unit houses 10, 3 way solenoid valves that are pulsed by a 30 second timer to pass the sample gas from each shed sequentially through the analyser giving an overall sampling time of 5 minutes. A second pump draws air from the sheds which are not being sampled to speed up the response time of the system. This air is blown to waste.

A water trap is mounted at each shed is linked to the gas analyser via a length of semi-flexible small bore polypropylene tubing. The analyser is housed in a clear fronted plastic box (IP56). The reading for each shed can be viewed on a 15mm LCD display by operating a 12 position rotary switch. LED indicator lights show which channel is being sampled at any particular moment.

A 25 pin "D" connector provides a signal output relating to each channel for linking to a computer system and a 25 pin "D" socket connector an output to a printer.

Specification	
<b>Display:</b>	LCD 15mm.
<b>Range:</b>	0 - 1% standard, 0.5% and 10.0% optional
<b>Definition &amp; Accuracy:</b>	0.001%(10ppm) & +/- 0.005%(50ppm)
<b>Output:</b>	0 - 10VDC for analyser range, 10 channels
<b>Power Supply:</b>	240 vAC, 50~, 1A
<b>Weight:</b>	5.5kg.
<b>Dimensions:</b>	350 x 300 x 160mm
<b>Accessory:</b>	EMS 16 10 channel flap control. Printer