



#MM82004/EPA

## Mk8 EGA EPA Conformance

Includes all the benefits of the Standard Mk8 EGA (CEMS Software, monitors up to 6 gases, touch screen) plus:

- Additional back box enabling ability to self-calibrate sensors every 24 hours
- 4 Connectors added to the bottom of the EGA., so that 4 different span gas bottles can be added for self-calibration purposes
- Heated Sample Line to maintain Exhaust Gas temperature during sampling
- Quick connect H.S.L. fitting on the top of the EGA

# Conforms to EPA Emissions Guidelines

Meets all requirements set by US Environmental Protection Agency

### Overview

The US Environmental Protection Agency have certain requirements for monitoring boiler flue emissions. The Mk8 EGA EPA Conformance model has been specifically designed to conform to these requirements.

### Self Calibration:

Enables automated cell calibrations on bottled calibration gas (4 bottles). Self calibration process occurs once every 24 hours. During this process, the cells are each recalibrated using a zero value, and a span value. The following configuration options are available:

- User-defined span gas configuration
- Customisable timings for sample and purge of each span gas
- E.G.A. can perform up to two automated cell calibrations per day. User configurable to sample to certain times of day (eg, 9am & 9pm) or after a prescribed interval of hours.
- Ranging of 4-20mA signal from fuel flow meter to maximise accuracy

Additionally, the EPA EGA has the following information:

- Graph indicating remaining life and accuracy of each cell
- On-screen indication of self-calibration stage and which bottle is used

- Logging of cell calibration, readings, and drift over time
- Calibration drift measured over the space of 5 calibrations. If excessive calibration drift is measured, the last valid calibration data is used

### Heated Sample Line (HSL):

- Heated Sample Line ensures sample gas is not diluted by water (condensate). The HSL maintains the exhaust gas temperature until the gases enter the E.G.A.
- HSL temperature can be controlled to user-defined setting. The temperature is monitored to provide warning when not at the prescribed setting
- The HSL operates by using a PI loop to maintain the set temperature



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# EGA Mk8: Exhaust Gas Analyser

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