



What is GasPro-C?

An IR Gas Analyser for monitoring, trouble shooting and optimisation (oxygen probe 'calibration') of carburising, carbonitriding and neutral hardening atmospheres.

All models measure the furnace CO₂, CO and CH₄ and together with the furnace temperature (manually input or from external source) calculates the %IR carbon potential and suggested probe 'process factor' or 'CO factor'.

The GasPro 300-C 'Advance' model features automatic oxygen probe compensation.

The GasPro can be supplied either as a portable unit (requires an external power supply) in a carry case or suitable for 19" rack mounting.

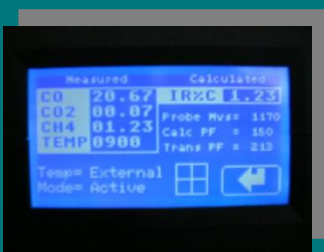


Features

Three independent IR gas sensors for CO, CO₂ and CH₄. The high accuracy sensors have low drift with fast response time.



LCD operator touch screen graphic interface which displays %CO, %CO₂, %CH₄, %IR carbon and calculated 'Process Factor' / 'CO Factor'



Integral sample pump, coalescing filter and sample flowmeter



What are the Benefits?

- Accurate, affordable infrared atmosphere measurement.
- Accurate calculation of atmosphere carbon potential.
- Automatic oxygen probe compensation (Gas Pro 300-C Advance)
- Verification of oxygen probe accuracy and performance.
- Easy identification of furnace atmosphere problems and furnace condition.
- Evaluation of endo generator performance, and catalyst condition.
- Optimise nitrogen / methanol system performance.

How do I save money?

- Increase product quality and reduce 'rework'
- Work to lower part of case depth specification with confidence - shorter cycle times
- Increased production
- Payback time under one year

For more information

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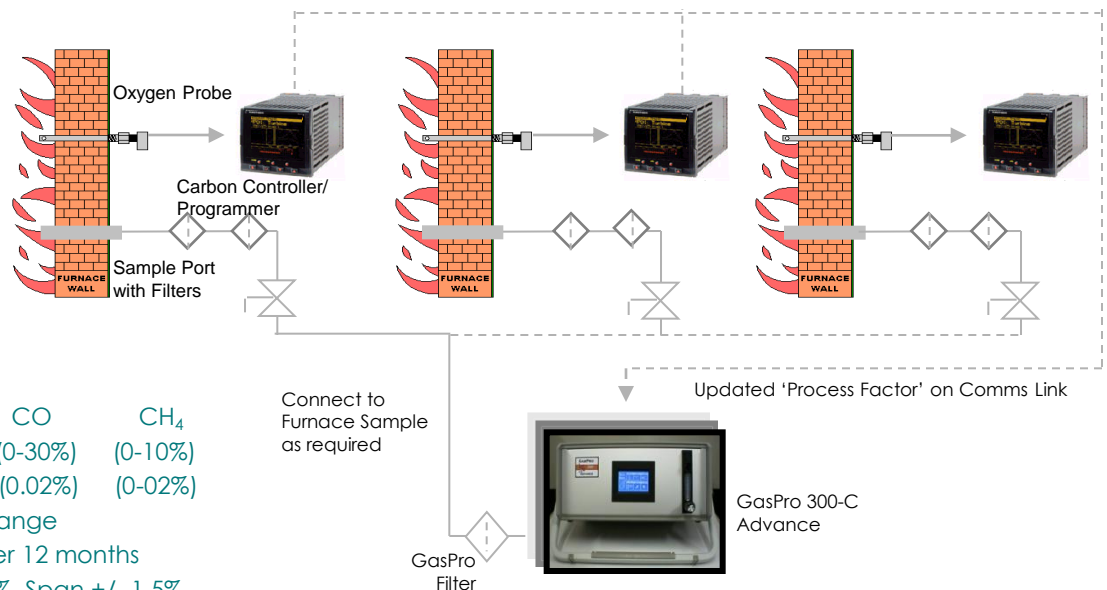
GasPro 300-C Advance – How does it work?

The GasPro 300-C Advance uses CO, CO₂ and CH₄ values from three individual Infra-Red analysers (one for each gas) to **accurately** calculate the furnace atmosphere carbon potential.

GasPro then calculates the 'Process Factor' or 'CO Factor' based on the %IR Carbon and sets this value, and sends it via a serial communications link, to the existing atmosphere controller.

The result - the atmosphere controller now reads the same as the calculated %IR carbon.

The oxygen probe may be sooted or even failing - **the GasPro 300-C Advance will compensate!**



Specification

	CO ₂	CO	CH ₄
Ranges:	(0-2%)	(0-30%)	(0-10%)
Resolution:	(10ppm)	(0.02%)	(0-02%)
Accuracy:	2% of gas Range		
Stability:	< +/- 2% over 12 months		
Repeatability:	Zero +/- 0.3%, Span +/- 1.5%		
Electrical:	110/240 volts ac 50-60 Hz 150 watts		

Size (excludes carry handle dimensions)

Height: 155mm

Width: 360mm

Depth: 320mm

All analysers incorporate a powerful sample pump and sample flowmeter (0-1 L/min).

Suitable for both 110 and 240 VAC operation, auto selected.

Calibration gas is required. Nitrogen for zero and certified calibration gas for span.

GasPro is supplied as a portable unit in a carry case (Note: external power supply required).

Alternatively, it can be supplied suitable for 19" rack mounting. GasPro 300-C Advance is available as a fixed system (see Ultracarb 100Lt)