

PGA 3510

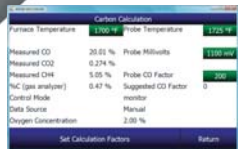
Precision measurement of protective heat treating atmospheres

800 x 480
Color Touch Screen



Portable 3-Gas NDIR Analyzer + Oxygen (%O₂)

- CO: Carbon Monoxide
Range: 0 - 100%
- CO₂: Carbon Dioxide
Range: 0 - 2.0%
Optional Range: 0 - 20.0%
- CH₄: Natural Gas/Methane
Range: 0 - 100%
- %O₂: Oxygen
Range: 0.1 - 25.0%
- Optional H₂: Hydrogen
Range: 0 - 100%
- Calculated % Carbon
Range: 0.01 - 2.00%
- Suggested COF / PF factors
- On-board Datalogger



- Accurate measurement of carbon based on gas composition
- CQI-9 carbon potential verification device
- Easy to operate
- Built in sample pump
- Battery operated
- Easy to use onboard calibration
- Software utilities for printing charts

Included Software for Data Management

- Language editor
- Data manager for downloading
- Print charts and tabular data
- Setup facility and furnace identifiers
- Add notes when capturing data
- Real time graphical display on PC
- Export utilities
- Backup data manager



PN 20263
Coated sample tube
for non-catalytic reaction

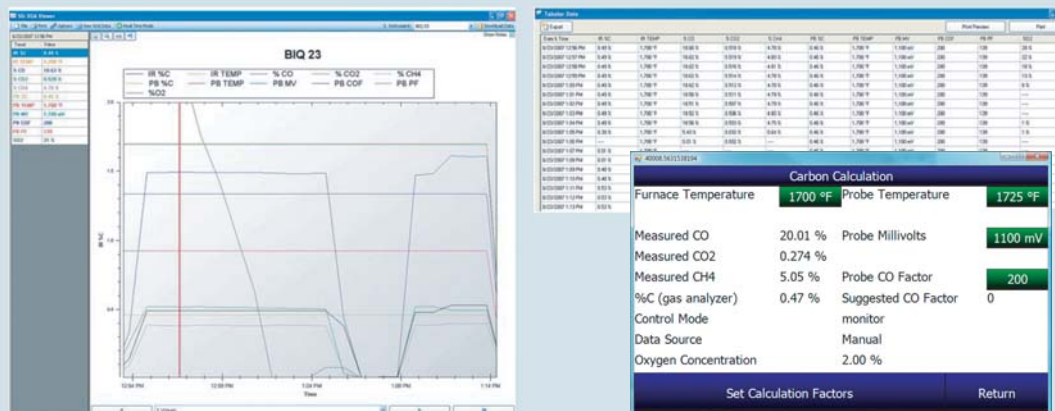
- Field calibration for zero and span
- Ethernet and USB connection to PC
- Universal power (110 - 230 VAC)
- Rechargeable battery

INNOVATIVE SOLUTIONS WORLDWIDE



SuperSystems
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PGA Utility Software



For configuration, equipment, language and data management with an easy interface

Why a Portable 3-Gas IR Analyzer?

Endothermic Generator Diagnostics

- The effectiveness of the catalyst is measured by the CH₄ content. Less than 0.5% is an indication of properly functioning catalyst. Higher concentrations indicate the necessity for either conditioning or replacement.
- Measuring the level of CO in the carrier gas allows correction of the % Carbon reading at the furnace.

Heat Treat Furnaces - Conventional Endo Gas

- Furnace atmosphere carbon potential (% C) can be verified
- Measuring carbon monoxide (CO) allows adjustment of the COF/ PF parameters to fine tune the % Carbon calculation in the furnace
- Measuring Carbon Monoxide (CO) and Carbon Dioxide (CO₂) can show possible problems (i.e. sooting, water leaks, air leaks, and radiant tube leaks)
- Too much free methane (CH₄) could be an early indication of a furnace problem

Heat Treat Furnaces - Nitrogen/Methanol Endo Gas

- The carbon monoxide (CO) level in the furnace atmosphere indicates the effectiveness of the cracking of the methanol.
- Furnace atmosphere carbon potential (% C) can be verified
- Measuring carbon monoxide (CO) allows adjustment of the COF/ PF parameters to fine tune the % Carbon calculation in the furnace
- Measuring carbon monoxide (CO) and carbon dioxide (CO₂) can show possible problems (i.e. sooting, water leaks, air leaks, and radiant tube leaks)



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