Binary Gas Analyzer

Hemaki
LAB SERVICES

Online mains Operated for Mixture of two Gases (Non-Corrosive) Dual Pass Model -BGA

The BGA -TCD is a Thermal Conductivity-based Gas Analyzers used to measure and monitor binary gas streams. It can also monitor one component in a more complex gas mixture when the background gases have the same ratio to each other, or have similar thermal conductivity values.

SPECIFICATIONS

Ranges

1) 0 to 100.0% Resolution 0.1% (For Ar./N2 – N2 in Argon) (Ar /H2)
2) 0 to 100.0% Resolution 0.1% (For Ar, / CO2 – CO2 in Argon) (Calibration gas required near sample gas) Online operation only (not for CO2 pressurized liquid mixture in gas cylinder)

ACCURACY : ±1% full scale

- Four Filament TCD (imported) Diffusion type.
- Change over valve for sample and reference.
- Two needle valves and Rota meter for Gas Flow Controls.

Electronic Control Panel:

- Digital Display 3 ½ LED with 0.1% resolution.
- Zero & Span (or two points) control for calibration to get direct read out in % of gases.
- Automatic current control as per gas Thermal conductivity.
- Cabinet – table mount or panel mount.
- This instrument can be used for any other gas mixture (Non Corrosive) or On-line gas purity monitor. You must have reference gas and calibration gas accordingly.

APPLICATIONS

- Gas Manufacturing Facilities: Monitoring PSA Systems
- Gas Distributors: Testing welding mixes
- Gas Blending Equipment
- Air Liquification Plants: Monitoring Purity of non corrosive gases like Ar, O2, H2, N2, He, CO2, or Ne
- Steel Mills: CO2 in off-gas from gas generators
- Separate ex-proof BGA available for hazardous application
- Heat Treating: H2 in N2 and other annealing gases

In interest of continued product development we reserve the right to change the specification without prior notice

For more details, contact:

Hemaki LAB SERVICES

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