

PlasmaDetek

GC Detectors



Download the complete specification and technical data sheet (1,2 Mo)



MULTIDETEK

TRACE GAS ANALYZER FOR MULTIPLE IMPURITIES

With its plug and play philosophy, this compact system provides an attractive and cost effective solution for the industrial market. Based on the Plasma Emission Detector technology, this stand-alone Gas Chromatograph is a flexible and customized platform providing analysis from ppb to %.

THE MULTIDETEK SPECIFICATION

DETECTOR TYPE	• Plasma Emission Detector design (PlasmaDetek)
CARRIER	• Argon and Helium
RANGE	• Application dependant
REPEATABILITY	• < 1% full scale
ACCURACY	• Better than $\pm 1\%$ full scale
STANDARD FEATURES	<ul style="list-style-type: none"> • Manual or autoranging (user selectable) • Microprocessor controlled • 5.6" TFT intelligent LCD module with Touch Screen • Self diagnosis system with auto-resolve alarm • 4-20 mA isolated output • Alarm Historic • Digital system status output for remote monitoring (dry relay contact)
OPTIONS	• Serial port: RS-232 / 422 / 485 / Profibus for monitoring
GAS CONNECTIONS	<ul style="list-style-type: none"> • Sample: 1/8" compression fittings or 1/8 VCR • Vent: 1/8" compression fitting
CALIBRATION GAS	<ul style="list-style-type: none"> • Zero: LDP1000 purified gas (Getter) • Span: 70% to 90% of the scale
SAMPLE PRESSURE REQUIREMENTS	• 10 to 30 PSIG
CARRIER PRESSURE REQUIREMENTS	• 100 PSIG
OPERATING TEMPERATURE	• 10°C to 45°C
SUPPLY	• 115 VAC, 50 – 60 Hz or 220 VAC, 50 – 60 Hz
POWER CONSUMPTION	• 200 Watts (application dependant)
DRIFT	• < $\pm 1\%$ over 24 hours

THE MULTIDETEK COMBINATIONS

	H ₂	Ar	O ₂	N ₂	He	CO ₂	NH ₃
H ₂	-	•	•	•	•	•	•
Ar	•	-	•	•	•	•	•
O ₂	•	•	-	•	•	•	•
N ₂	•	•	•	-	•	•	•
CH ₄	•	•	•	•	•	•	•
CO	•	•	•	•	•	•	•
CO ₂	•	•	•	•	•	-	•
NMHC	•	•	•	•	•	•	-
N ₂ O	•	•	•	•	•	-	•
C ₂ H ₂	•	•	•	•	•	-	-
C ₂ H ₄	•	•	•	•	•	-	-
C ₂ H ₆	•	•	•	•	•	-	-
C ₃ H ₈	•	•	•	•	•	-	-
Ne	•	-	•	•	•	•	•

Sample

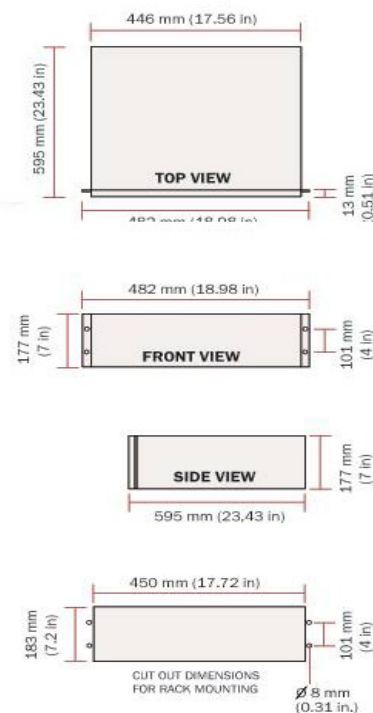
Impurities

*Other applications are possible. Please contact factory for further details.

THE MULTIDETEK FEATURES

- Multi trace impurities in one chassis
- Based on the PlasmaDetek technology
- Compact rackmount 4U
- ppb to % application
- User friendly
- Touch screen interface
- Large scale measurement
- High performance Diaphragm valves

THE MULTIDETEK DIMENSIONS



MULTIDETEK APPLICATION NOTES