

k2001^{ns}

Kontrol Analytik
trace nitrogen in argon or helium
on line gas analyser

- Plasma emission detection *
- Wide measurement range
- Lowest measurement range offers 10ppb resolution
- Maintenance free
- Ethernet remote control



SPECIFICATION

Detector type:	Electromagnetically induced plasma cell (dual beam)
Ranges:	0-1ppm, resolution of 10ppb, user configurable up to 10000ppm 0-10ppm, resolution of 0.1ppm, user configurable up to 10000ppm 0-100ppm, resolution of 1ppm, user configurable up to 10000ppm
Accuracy:	Better than $\pm 1\%$ full scale
Response time:	20 seconds for 90% of a step change at 75 ml/min (typically 10 seconds)
Drift:	$\pm 1\%$ over 24 hours (typically $\pm 0.5\%$ over long term)
Recommended calibration gas:	Zero: GP-200 purified gas (Getter)
Operating temperature:	10°C to 35°C (50°F to 95°F)
Sample flow:	20 to 150ml/min
Operating pressure:	4 to 20 psig
Power Supply:	115V ac, 50-60Hz or 220V ac, 50-60Hz
Power consumption:	35 watts (maximum)
Weight:	15kg (33lbs)
Dimensions (W x D x H):	Standard rack mount 3U 482.6mm x 457mm x 133.3mm (19" x 18" x 5.25")

* Patent pending

The k2001 is designed for continuous measurement of nitrogen in argon, helium or both. Its plasma emission detector provides an accurate measurement, offering high stability and reliability.

It uses a new micro-processor platform that offers enhanced connectivity, allowing you to remotely control the analyser from anywhere in the world.

FEATURES

- Interference free measuring system based on spectral emission of plasma maintained in a quartz chamber
- Solid state mass flow controller
- Low sample flow (works with as low as 20 ml/min)
- Low power (35 watts)
- No radioactive source
- No moving parts, all solid state
- Maintenance free
- Real Time Clock
- Alarm history
- Internet/Web enabled

OPTIONS

- Auto-zero and auto-span calibration at user defined intervals
- 2 alarm outputs (user programmable set point)
- 4-20 mA isolated output
- Serial port: RS-232/422/485/modem

APPLICATIONS

- Air separation plants
- Argon purification plants
- Cryogenic truck loading station
- Speciality gas laboratories
- Process control
- Steel industries
- Chemical plants
- Gas management system
- Welding gas control
- Helium liquification plants

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Certificate No. Q05166
BS EN ISO 9001



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PBk2001ns Rev.1 02/08 E