

Line 8000

AZ8000 NG

*Online trace Nitrogen
in Argon/ Helium analyzer*

Plasma emissions detection (PED) for continuous gas monitoring of Nitrogen in cryogenic air separation and gas bottling plants



FLEXIBLE



EASY TO USE



**LOW COST
OF OWNERSHIP**



**PERFORMANCE
AND ACCURACY**

**AZ8000 NG has integrated
numerous advantages :**

- intelligent micro-processor platform
- monitoring of N₂ in pure Ar and/or He
- high stability performance and flexibility
- zero maintenance
- three measurement ranges in both a standard or high purity setting mode

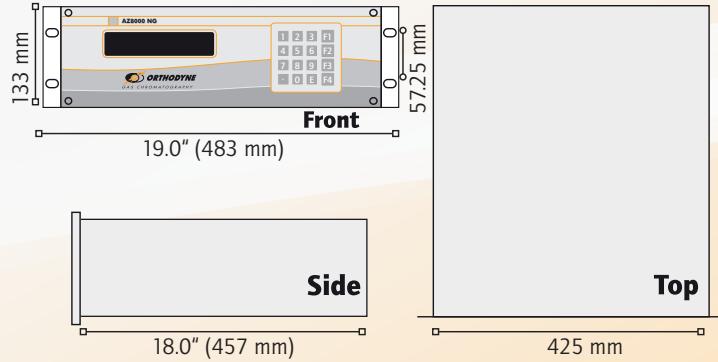


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SPECIFICATIONS

Detector type	Plasma Emission Detector (PED). Material: Quartz, single element, vacuum tight to 69 kPa (10 Psig)
Range	<p>Model 1 (standard)</p> <p>0 – 10 ppm display resolution to .1 ppm 0 – 50 ppm display resolution to .5 ppm 0 – 100 ppm display resolution to 1 ppm</p> <p>Model 2 (high purity)</p> <p>0 – 1 ppm display resolution to 10 ppb 0 – 10 ppm display resolution to .1 ppm 0 – 100 ppm display resolution to 1 ppm</p>
Repeatability	< 1% of range
Accuracy	±1% Range
Digital outputs	4 Digital outputs: <ul style="list-style-type: none"> • 3 are for range indication • 1 for system status monitoring
Options	<ul style="list-style-type: none"> • Auto-zero, auto-span calibration system • Serial port: RS-232
Gas connections	Sample: 1/8" compressing fittings
Vent	1/8" compressing fittings
Gas measured	N ₂ (standard or high purity)
In gas stream	Ar / He
Sample flow	25-150 ml/min.
Max operating pressure	10 PSIG (55.2 kPaG)
Min operating pressure	5 PSIG (27.6 kPaG)
Operating temperature	5°C to 40°C (indoor use only)
Supply	100 - 120 Vac / 230 - 240 Vac, 50 to 60 Hz (± 10% maximum fluctuation)
Power consumption	45W
Drift	≤ ±1% Range over 24 hours
Weight	15 kg

Dimensions



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