

QUASAR

Chemiluminescent NO_x Analyzer



ISATEC QUASAR Chemiluminescent NO_x analyzer is unique in the market with a unique and very special ozone generator and extremely low levels of quenching effects from CO₂ and H₂O.

The high vacuum and heated design eliminates quenching, increases signal strength and avoids any condensation in the sample and measurement which could cause losses of NO₂ in condensate. The vacuum pump is of a dry piston design and is easy to maintain for continuous instrument use. Also available is a non-vacuum model which is suitable for sample gas mixtures with low or consistent levels of CO₂ and H₂O.

We offer a single NO_x detector, dual continuous NO, NO₂, NO_x detectors, non-vacuum for dilute and dry samples and NO_x, NH₃, NO₂ using selective converters and dual continuous detectors.

KEY FEATURES:

- Very low quenching from CO₂ and H₂O
- Special ozone generator uses air as feed gas: the “soft discharge” neon lamp ozone generator is able to use air as its feed gas without any unwanted generation of NO and NO₂.
- Electronic proportional flow controllers
- Long life NO_x converter (5 years)
- Dry, low maintenance pump

Can be customized for special applications.

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Ingegneria



Service Automation



TECnologie

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TECHNICAL SPECIFICATIONS

Ranges	0-1 ppm, 0-10 ppm, 0-1000 ppm, 0-10,000 ppm
Linearity	± 1% of value
Response time T90	1.5 seconds
Converter Efficiency	95%
Converter Life time	< 5 years
Temperature Effect	0.3%/°C
Pumps	Vacuum: Dry type Maintenance: 6 months diaphragm change Motor: Maintenance free Bypass: Maintenance: 6 months diaphragm change Motor: Maintenance free
Power	100-240VAC 50/60Hz Universal or 24V DC
Ozoniser Feed Gas	Self-contained air supply
Quenching	CO ₂ : less than 1% of reading for 10% CO ₂ H ₂ O: less than 1% of reading for 3% H ₂ O
Versions available	Single detector non-vacuum NO _x Single detector high-vacuum heated NO _x dual detector high-vacuum heated NO _x /NO ₂ /NO
Size	485 (w) x 142 (h) x 530 mm (d)
Weight	30 Kg