The Model T320
Gas Filter Correlation N$_2$O Analyzer

The Model T320 N$_2$O analyzer measures Nitrous Oxide by comparing infrared energy absorbed by a sample to that absorbed by a reference gas according to the Beer-Lambert law. Using a Gas filter Correlation Wheel, a high energy IR light source is alternately passed through a N$_2$O filled chamber and a chamber with no N$_2$O present.

— Available with NumaView™ premium T Series software —

- Large, vivid, and durable color touchscreen display
- All other T Series instrument platform features
- Lifetime technical support by phone and email
- Standard two-year warranty and five years on the GFC wheel

T320 Specifications

■ Ranges	Min: 0 - 1 ppm full scale Max: 0 - 1,000 ppm full scale (selectable, dual-ranges supported)
■ Measurement Units	ppb, ppm, µg/m^3, mg/m^3 (selectable)
■ Zero Noise	< 0.02 ppm (RMS)
■ Span Noise	< 0.5% of reading (RMS) above 5 ppm
■ Lower Detectable Limit	< 0.04 ppm
■ Zero Drift	< 0.1 ppm/24 hours
■ Span Drift	< 0.5% of reading/24 hours
■ Lag Time	< 10 seconds
■ Rise/Fall Time	< 60 seconds to 95%
■ Linearity	1% of full scale
■ Precision	0.5% of reading (RMS) above 5 ppm
■ Sample Flow Rate	800 cc/min ±10%
■ Power Requirements	100V-120V, 220V-240V, 50/60 Hz
■ Analog Output Ranges	10V, 5V, 1V, 0.1V (selectable)
■ Recorder Offset	±10%
■ Included I/O	1 x Ethernet: 10/100Base-T 2 x RS232 (300-115,200 baud) 2 x USB device ports 8 x opto-isolated digital outputs 6 x opto-isolated digital inputs 4 x analog outputs
■ Optional I/O	1 x USB com port 1 x RS485 8 x analog inputs (0-10V, 12-bit) 4 x digital alarm outputs Multidrop RS232 3 x 4-20mA current outputs
■ Operating Temperature Range	5 - 40°C operating
■ Dimensions (HxWxD)	7" x 17" x 23.5" (178 x 432 x 597 mm)
■ Weight	50 lbs (18 kg)

Specifications subject to change without notice.
All specifications are based on constant conditions.

NumaView™ software is available as a no-charge option that must be specified at the time of purchase.

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www.teledyne-api.com