



# Environmental Instruments Overview

## Ultraviolet Fluorescence Instruments

Gas	Model	Ranges (Min/Max)	Applications
Sulfur Dioxide (SO <sub>2</sub> )	T100U	0-5 ppb / 0-20,000 ppb	Trace Level
	T100 / N100	0-50 ppb / 0-20,000 ppb	Ambient Level; Dilution CEMS
	T100H / N100H	0-10 ppm / 0-5,000 ppm	CEMS High Level
Hydrogen Sulfide (H <sub>2</sub> S), SO <sub>2</sub>	T101	H <sub>2</sub> S: 0-50 ppb / 0-10 ppm SO <sub>2</sub> : up to 0-20 ppm	Ambient Level; CEMS
Total Reduced Sulfur (TRS), SO <sub>2</sub>	T102	TRS: 0-50 ppb / 0-10 ppm SO <sub>2</sub> : up to 0-20 ppm	Ambient Level; CEMS
Total Sulfur (TS)	T108	0-50 ppb / 0-20,000 ppb	Ambient Level

## Chemiluminescence Instruments

Gas	Model	Ranges (Min/Max)	Applications
Nitrogen Oxide (NO), Nitrogen Dioxide (NO <sub>2</sub> ), NO <sub>x</sub>	T200U	0-5 ppb / 0-2,000 ppb	Trace Level
	T200 / N200	0-50 ppb / 0-20,000 ppb	Ambient Level; Dilution CEMS
	T200M / N200M	0-1 ppm / 0-200 ppm	CEMS Medium Level
	T200H / N200H	0-5 ppm / 0-5,000 ppm	CEMS High Level
Reactive Oxides of Nitrogen (NO <sub>y</sub> )	T200U/NO <sub>y</sub>	0-5 ppb / 0-2,000 ppb	Trace Level
Ammonia (NH <sub>3</sub> ), NO, NO <sub>2</sub> , NO <sub>x</sub>	T201	0-50 ppb / 0-2,000 ppb	Ambient Level
Ozone (O <sub>3</sub> )	T265	0-100 ppb / 0-2,000 ppb	Ambient Level
True NO <sub>2</sub> , NO, NO <sub>x</sub>	T200P	0-50 ppb / 0-4,000 ppb	Photolytic Converter
	T200UP	0-5 ppb / 0-2,000 ppb	Trace Level; Photolytic Converter

## Gas Filter Correlation Instruments

Gas	Model	Ranges (Min/Max)	Applications
Carbon Monoxide (CO)	T300U	0-100 ppb / 0-100 ppm	Trace Level; Dilution CEMS
	T300 / N300	0-1 ppm / 0-1,000 ppm	Ambient Level; Dilution CEMS
	T300M / N300M	0-5 ppm / 0-5,000 ppm	CEMS Medium Level
Carbon Dioxide (CO <sub>2</sub> )	T360 / N360	0-2 ppm / 0-2,000 ppm	Ambient Level; CEMS
	T360M / N360M	0-4 ppm / 0-4,000 ppm	CEMS Medium Level

## Ultraviolet Absorption Instruments

Gas	Model	Ranges (Min/Max)	Applications
Ozone (O <sub>3</sub> )	T400 / N400	0-100 ppb / 0-10 ppm	Ambient Level
	430	0-100 ppb / 0-20,000 ppb	Ambient Level



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Particulate Instrument			
Gas	Model	Ranges (Min/Max)	Applications
Continuous Real-time PM Mass Monitoring	T640, 640X Option	PM <sub>2.5</sub> , PM <sub>10</sub> , PM <sub>10-2.5</sub> , optional PM <sub>1</sub> and PM <sub>T</sub>	Ambient Level

Gas Calibrators and Zero Air Generators			
Gas	Model	Ranges (Min/Max)	Applications
All Gases	T700U	Available MFC's: 0-10 cc/min to 0-20 LPM	Dilution Calibrator; Trace Level
	T700	Available MFC's: 0-10 cc/min to 0-20 LPM	Dilution Calibrator
	T701 / N701	18 SLPM at 30 psig	Zero Air Generator
	T701H / N701H	30 SLPM at 30 psig; 10 SLPM at 60 psig	Zero Air Generator
	T750	Available MFC's: 0-10 cc/min to 0-20 LPM	Portable Dilution Calibrator
	T750U	Available MFC's: 0-10 cc/min to 0-20 LPM	Portable Dilution Calibrator; Trace Level
	T751H	0-10 LPM, 30 PSI	Portable Zero Air Generator
Ozone (O <sub>3</sub> )	T703	50 ppb to 10 ppm	O <sub>3</sub> Calibrator
	T703U	3 ppb to 10 ppm	O <sub>3</sub> Calibrator; Trace Level
	T753U	2 ppb to 2.5 ppm	Portable O <sub>3</sub> Calibrator; Trace Level

Cavity Attenuated Phase Shift Instruments			
Gas	Model	Ranges (Min/Max)	Applications
True, Direct NO <sub>2</sub>	T500U	0-5 ppb / 0-1,000 ppb	Trace Level
True NO <sub>2</sub> , NO <sub>x</sub> , NO	N500	0-5 ppb / 0-1,000 ppb	Ambient Level

Paramagnetic Instrument			
Gas	Model	Ranges (Min/Max)	Applications
Oxygen (O <sub>2</sub> ), optional CO <sub>2</sub>	T802	O <sub>2</sub> : 0-100%, CO <sub>2</sub> : 0-20%	CEMS

Flame Ionization Detector Instrument			
Gas	Model	Ranges (Min/Max)	Applications
Methane (CH <sub>4</sub> ), Total Hydrocarbons (THC)	N901	0-5 ppm / 0-1,000 ppm (Methane)	Ambient Level

All T Series and N Series instruments come with NumaView™ Software and NumaView™ Remote Software. Refer to product specification sheets for details. Specifications subject to change without notice. All specifications are based on constant conditions.



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