Environmental Instruments Overview

Ultraviolet Fluorescence Instruments

Gas	Model	Ranges (Min/Max)	Applications
Sulfur Dioxide (SO_2)	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_2S), SO_2	T101	H_2S: 0-50 ppb / 0-10 ppm SO_2: up to 0-20 ppm	Ambient Level; CEMS
Total Reduced Sulfur (TRS), SO_2	T102	TRS: 0-50 ppb / 0-10 ppm SO_2: 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_2), NO_X	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_Y)	T200U/NO_Y	0-5 ppb / 0-2,000 ppb	Trace Level
Ammonia (NH_3), NO, NO_2, NO_X	T201	0-50 ppb / 0-2,000 ppb	Ambient Level
Ozone (O_3)	T265	0-100 ppb / 0-2,000 ppb	Ambient Level
True NO_2, NO, NO_X	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_2)	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_3)	T400	0-100 ppb / 0-10 ppm	Ambient Level
	430	0-100 ppb / 0-20,000 ppb	Ambient Level

Environmental Instruments Overview

Particulate Instrument			
Gas	**Model**	**Ranges (Min/Max)**	**Applications**
Continuous Real-time PM Mass Monitoring	**T640, 640X Option**	$PM_{2.5}$, PM_{10}, $PM_{10\text{-}2.5}$, optional PM_1	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	0-18 LPM, 30 PSI	Zero Air Generator
	T701H	0-30 LPM, 35 PSI	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
	751H	0-10 LPM, 30 PSI	Portable Zero Air Generator
Ozone (O_3)	**T703**	50 ppb to 10 ppm	O_3 Calibrator
	T703U	3 ppb to 10 ppm	O_3 Calibrator; Trace Level
	T753U	2 ppb to 2.5 ppm	Portable O_3 Calibrator; Trace Level

Cavity Attenuated Phase Shift Instruments			
Gas	**Model**	**Ranges (Min/Max)**	**Applications**
True, Direct NO_2	**T500U**	0-5 ppb / 0-1,000 ppb	Trace Level
True NO_2, NO_X, NO	**N500**	0-5 ppb / 0-1,000 ppb	Ambient Level

Paramagnetic Instrument			
Gas	**Model**	**Ranges (Min/Max)**	**Applications**
Oxygen (O_2), optional CO_2	**T802**	0-100%	CEMS

Hydrocarbon Instrument			
Gas	**Model**	**Ranges (Min/Max)**	**Applications**
Methane (CH_4), 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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