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 / N400	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 and PM_T	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
	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	O_2: 0-100%, CO_2: 0-20%	CEMS

Flame Ionization Detector 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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