

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	0-50 ppb / 0-20,000 ppb	Ambient Level; Dilution CEMS
	T100H	0-10 ppm / 0-5,000 ppm	CEMS High Level
Hydrogen Sulfide (H ₂ S), SO ₂	T101	H ₂ S: 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	0-50 ppb / 0-20,000 ppb	Ambient Level; Dilution CEMS
	T200M	0-1 ppm / 0-200 ppm	CEMS Medium Level
	T200H	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	0-1 ppm / 0-1,000 ppm	Ambient Level; Dilution CEMS
	T300M	0-5 ppm / 0-5,000 ppm	CEMS Medium Level
Carbon Dioxide (CO ₂)	T360	0-2 ppm / 0-2,000 ppm	Ambient Level
	T360M	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



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Particulate Instrument			
Gas	Model	Ranges (Min/Max)	Applications
Continuous Real-time PM Mass Monitoring	T640, 640X Option	PM _{2.5} , PM ₁₀ , PM _{10-2.5} , 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
	T751H	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	500	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

All T 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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