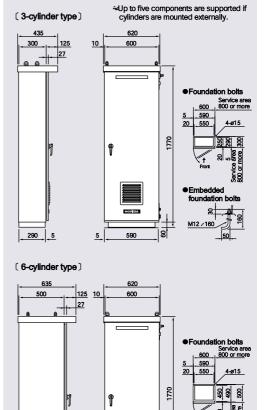
## Specifications

Model		ENDA-5000				
Component		NOx	SO <sub>2</sub>	со	CO <sub>2</sub>	O <sub>2</sub> *1
Measurement methods		NDIR	NDIR	NDIR	NDIR	Magneto-pneumatic detection
Range <sup>®2</sup> Standard		200~5000 ppm	200~5000 ppm	200~5000 ppm	5~25 vol%	10~25 vol%
	Optional	100 ppm~	50 ppm~	100 ppm~	-	_
Range Ratio		Within a factor of 10	Within a factor of 10	Within a factor of 10	Within a factor of 5	Within a factor of 2.5
Repeatability		Within 0.5% of full scale (with optional range, or during O <sub>2</sub> measurement, 1.0% of full scale)				
Linearity (indicator error)		1.0% of full scale				
Zero drift		= 1.0% of full scale (assuming surrounding temperature is maintained within 5°C) (with optional range, or O₂ measurement, 2.0% of full scale)				
Span drift		2.0% of full scale/week (assuming surrounding temperature is maintained within 5')				
Response time *3		Within 60 seconds (Td + T90 from equipment intake area) (sample flow 0.6 L/min.) (within 240 seconds for SO <sub>2</sub> only)				
Overall interference from co-existing gases		= 2.0% of full scale/week (within standard range, with standard gas formation)				
Display		Touch panel LCD (backlight) (four usable lines)				
Environment Condition	Temperature	-5 to 40° C (away from direct sunlight and radiation heat ) **4				
	Humidity	85% or less (no condensation)				
	Vibration	100 Hz, 0.3 m/S² or less				
	Dust	Standard environment or better				
	Temperature	250°C or lower				
Measuring Gas Condition	Dust	0.1 g/Nm³ or less				
	Standard gas composition "5	NO: 500 ppm or less; NO2: 6 ppm or less; SO2: 1000 ppm or less; SO3: 50 ppm or less; CO: 200 ppm or less; CO: 15% volume or less; HzO: 40% volume or less				
Sampling method		Dry sampling using an electric cooler				
Sample gas flow		2.5 L/min~3.0 L/min				
Sample inlet tube		Teflon tubing (ø8/ø6 mm)				
Sample gas pressure		(1) 1 06 to 4 0 kPa				
		4.9 kPa (three points selected) (2) _ 3.43 kPa (3) -4.9 to 1.96 kPa				
Output		DC 4 to 20 mA (absolute output) (DC 0 to 16 mA/DC 0 to 1 V/DC 1 to 5V optional) Max. 12 output systems				
External output		Analysis alerts, analysis warnings, range display, corrections, conservation, purging (option)  Contact capacity: DC 30 V 1 A, AC 250 V 1 A resistance load				
Correction method		Dry correction, automatic correction (correction cycle: 7 days standard, can be adjusted to between 1 and 99 days), manual correction				
Calibration gas		Zero gas With measurement method authorization: Nz, When there is no measurement method authorization: Nz or ambient air				
		02 carrier gas Ambient air				
		Span gas Gas cylinder for each component measured (when there is no measurement method authorization: 02 or ambient air can be used)				
		Flange: JIS 10K, 40 AFF; Sample probe tube length: 1000 mm; Material: SUS-316 stainless steel;				
Primary filter		Filter element: SUS-304 stainless steel and 2. m-pleated quartz wool; Electric heater: 100 VA, with water droplet proof case				
Power supply		AC 100 V 15 V(85 V~115 V)				
Power frequency		50/60 Hz (switchable)				
Power consumption		About 800 VA (heated piping 30m: +1100 VA; heater in tray: +300 VA)				
Exterior dimensions /Mass		600 (W) x 1770 (H) x 300 (D) mm (High pressure gas cylindars, 3.4 L cylindars, maximum of 3 cylindars); About 180 kg (not including cylindars) 600 (W) x 1770 (H) x 300 (D) mm (High pressure gas cylindars, 3.4 L cylindars, maximum of 3 cylindars); About 200 kg (not including cylindars)				
Materials in contract with sample gas		SUS-316 stainless steel, SUS-304 stainless steel, Teffon, polypropylene, polyethylene, flourorubber, PVC, PVDF, and glass				
Enclosure		Independent outdoor Installation Plate thickness: Main unit, doors, top plate, steel plate: 2.3 mm; Channel base: 3.2 mm; Doors front opening; interface: right front				
Color/Finish		Semi-gloss Munsell 5Y7/1 on all inner and outer surfaces				
J.d. No conference collector in married						

## Dimensions (unit: mm)



The EMC Directive : EN51325 Compliant

Embedded

M12 / 160

- 4.1: No carrier gas cylinder is required.

  4.2: Up to two ranges are supported for each component.

  4.3: Response time may vary depending on the sampling system composition.

  4.4: Support is available for -15 to 40 C (cold-climate version) and 5 to 50 C.

  4.5: An NHs scrubber is available as an option for cases where a combined gas includes NHs. SOs measurement corrected for CHs. interference is available for cases where there is CH<sub>4</sub> in the sample gas for SO<sub>2</sub> measurement. CO measurement corrected for N<sub>2</sub>O interference is available for cases where there is N<sub>2</sub>O in the sample gas for CO measurement.

HORIBA continues contributing to the preservation of the plobet elegant tigrouth inemirorisms and measuring technology.



## Please read the operation manual before using this product to assure safe and proper handling of the product.

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