

Overview of technical data

Measurement method	E	lectrochemic (EC		Photoacoustic Spectroscopy (PAS)			Non dispersive Infra-red Technology (NDIR) ADVANCED				lı	Non dispersive Infra-red Technology (NDIR) STANDARD		Catalytic Measurement (Pellistor)		Non dispersive Ultaviolet Technology (NDUV)			Measurement method	
APPLICATION	>120 r	nuous measur ninutes requin 48 h not reco	ements (air purge after ed; measurement ommended)	Continuous measurements also possible in mobile use with monitoring (filters, gas process etc.)			Continuous measurements also possible in mobile use with monitoring (filters, gas process etc.)			()	after > 60	Quasi-continuous measurements (air purge after > 60 minutes required; measurement > 48 h not recommended)		Quasi-continuous measurements (air purge after > 60 minutes required; measurement > 48h not recommended)			Continuous measurements also possible in mobile use with monitoring (filters, gas process etc.)			APPLICATION
MAXIMUM NUMBER OF GAS COMPONENTS	6			1			max. 3 (also possible in connection with NDIR-STANDARD components)				(also NDIR	3 (also possible in connection with NDIR-ADVANCED-components)			1			3 hannel with NO annel with NO) ₂ / SO ₂ or 'NO ₂ /SO ₂)	MAXIMUM NUMBER OF GAS COMPONENTS
GAS COMPONENTS For a given gas component, one measurement method only can be chosen	Measurement Range	Resolution	Accuracy	Measurement	Resolution	Accuracy	Measurement Range	Resolution	Accuracy		Measurement Range	Resolution	Accuracy	Measurement	Resolution	Accuracy	Measurement Range	Resolution	Accuracy	GAS COMPONENTS For a given gas component, one measurement method only can be chosen
Oxygen O ₂	021 %	0,01 vol. %	± 0,3 vol. %																	Oxygen O ₂
Carbon Monoxide CO	010.000 ppm ⁽²⁾	1 ppm	± 20 ppm resp. 5% of measurement value ⁽¹⁾				01.000 ppm ⁽⁵⁾	1 ppm	± 2% of full scale	C al	063.000 ppm	10 ppm	± 200 ppm resp. 3% of measure- ment value ⁽¹⁾							Carbon Monoxide CO
	063.000 ppm	5 ppm	± 100 ppm resp. 10% of measurement value ⁽¹⁾																	
Carbon Dioxide CO ₂		Calculation via O ₂ -value					020 vol. %	0,01 vol. %	± 2% of full scale	al	020 vol. %	0,01 vol. %	± 0,3 vol. % resp. 3% of measure- ment value ⁽¹⁾							Carbon Dioxide CO ₂
Nitrogen Monoxide NO	05.000 ppm	1 ppm	± 5 ppm resp. 5% of measurement value (1)														0300 (2.000) ppm	0,1 ppm	± 3 ppm (1 % of measure- ment value)	Nitrogen Monoxide NO
	0500 ppm	0,1 ppm	± 2 ppm resp. 5% of measurement value (1)																	
Nitrogen Dioxide NO ₂	01.000 ppm	1 ppm	± 5 ppm resp. 5% of measurement value ⁽¹⁾	0-200 ppm	0,1 ppm	± 2% of full scale											0300 (2.000) ppm	0,1 ppm	± 3 ppm (1 % of measure- ment value)	Nitrogen Dioxide NO ₂
	0100 ppm	0,1 ppm	± 5 ppm rep. 5% of measurement value ⁽¹⁾														0100 ppm	0,1 ppm	± 2 ppm resp. 2% of measurement value (1)	
Nitrogen Oxides NO _x	calculated out of NO/NO ₂ Measurement			In combination with CLD = perfect for an exact and continuous NO, measurement																Nitrogen Oxides NO _s
Sulphur Dioxide SO ₂	05.000 ppm	1 ppm	± 10 ppm resp. 5% of measurement value (1)				01.000 ppm ⁽⁵⁾	1 ppm	± 2% of full scale	31	е						0300 (2.000) ppm	0,1 ppm	± 3 ppm (1 % of measure- ment value)	Sulphur Dioxide SO ₂
																	0100 ppm	0,1 ppm	± 2 ppm resp. 2% of measurement value (1)	
Hydrogen H ₂	020.000 ppm	1 ppm	±100 ppm resp. 5% of measurement value (1)																	Hydrogen H ₂
Hydrogen Sulphide H ₂ S	01.000 ppm	1 ppm	±10 ppm resp. 5% of measurement value (1)																	Hydrogen Sulphide H ₂ S
Hydrocarbons C _x H _y (calibrated on CH ₄)														04 vol. %	0,01 vol. %	upon request				Hydrocarbons C _x H _y (calibrated on CH ₄)
Hydrocarbons C _x H _y (calibrated on CH ₄)										c	030.000 ppm	10 ppm	± 50 ppm resp. 3% of measure- ment value (1)							Hydrocarbons C _x H _y (calibrated on CH ₄)
Hydrocarbons C _x H _y (calibrated on C ₃ H _g)											02.000 ppm	1 ppm	± 4 ppm resp. 3% of measurement value (1)							Hydrocarbons C _x H _y (calibrated on C ₃ H _e)