

Technical Data - Measured Parameters

Flue Gas Temperature measurement <i>(including separate differential-temperature measurement)</i>	Range	0 °C ... + 1,150 °C or 32 °F ... +2,102 °F
	Resolution	0.1 °C
	Accuracy	±1°C + 1 digit (up 300 °C) ±1 % RDG (above 300 °C)
	Thermocouple	K-Type (NiCr-Ni)
Ambient Temperature <i>(including separate differential-temperature measurement)</i>	Range	-20 °C ... + 200 °C or -4 °F ... +392 °F
	Resolution	0.1 °C
	Accuracy	±3 °C + 1 digit (-20.0 up to 0.0 °C) ±1 °C + 1 digit (+0.1 up to +200.0 °C)
	Thermocouple	K-Type (NiCr-Ni)
Draft measurement / Differential pressure	Range	± 70 hPa (Draft) / ± 150 hPa (diff. pressure)
	Accuracy	± 0.02 hPa (up ± 2.00 hPa) ± 1 % RDG (above ± 2.00 hPa)
	Resolution	0.01 hPa (= 1 Pa)
Barometric Pressure	Range	750 hPa ... 1100 hPa
Pitot measurement	Range	0.5...70 m/s
	Resolution	± 0.8 m/s
	Resolution	0.1 m/s
Oxygen (O2) measurement <i>(4OxEcoLP)</i>	Range	0 ... 21 vol.-%
	Resolution	0.01 vol.-%
	Accuracy	± 0.2 vol.-% RDG
Carbon Dioxide (CO2) measurement <i>(calculated)</i>	Display	0 ... CO2max
	Resolution	0.1 vol.-%
	Accuracy	± 0.2 vol.-%
Carbon Monoxide (CO) measurement <i>(H2-compensated)</i>	Range	0 ... 10,000 ppm
	Resolution	1 ppm
	Accuracy	± 5 ppm (up 50 ppm) ± 5 % RDG (above 50 ppm)
<u>Options:</u>		
Nitrogen Oxide (NO) measurement	Range	0 ... 5,000 ppm
	Resolution	1 ppm
	Accuracy	± 5 ppm (up 50 ppm) ± 5 % RDG (above 50 ppm)
Nitrogen Dioxide (NO2) measurement	Range	0 ... 500 ppm
	Resolution	1 ppm
	Accuracy	± 10 ppm (up 50ppm) / ± 5 ppm ¹⁾ (up 100 ppm) ± 10 % RDG (above 50 ppm) / ±5 % RDG ¹⁾ (above 100 ppm)
Sulfur Dioxide (SO2) measurement	Range	0 ... 5,000 ppm
	Resolution	1 ppm
	Accuracy	± 10 ppm (up 200 ppm) / ± 5 ppm ¹⁾ (up 200 ppm) ± 5% RDG (above 200 ppm)

MULTILYZER STx (Technical Data)

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SYSTRONIK

Messtechnologie

**Carbon Monoxide (CO) high
range measurement
(not H₂-compensated)**

Range	0 ... 4.0 vol.-% (= 40,000 ppm)
Resolution	0.01 vol.-%
Accuracy	± 5% RDG

Abbreviations: RDG = deviation of reading value, ppm = particle per million, vol.-% = percent of volume
1) with extended flue gas treatment (e.g. MaxiSystem)

Subject to technical changes!