

INFRALYT 80

extractive Multi Gas Analyzer



- gas analyzer for up to 8 (special 10) gases / ranges at once
- gases, ranges, gas guiding and gas conditioning customer specific
- high-contrast color touch screen, intuitive handling, free to configure
- applicable for full automatic operation in process control / process monitoring

Applications

- chemical, metal-working and metal-conditioning industry
- industrial furnace production
- combustion machines
- bio technology / bio energy
- research & development

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TECHNICAL DATA

Measuring Ranges NDIR *

	minimum		maximum	
CO	0...1000	vppm	0...100	Vol%
CO ₂	0...50	vppm	0...100	Vol%
HC	0...500	vppm	0...1	Vol% (equiv. C ₆ H ₁₄)
C ₃ H ₈	0...100	vppm	0...2	Vol%
CH ₄	0...1	Vol%	0...100	Vol%
NO	0...2000	vppm	0...5000	vppm
SO ₂	0...1000	vppm	0...2000	vppm

Measuring Ranges electrochem. *

O ₂			0...21	Vol%
NO	0...2500	vppm	0...5000	vppm
NO ₂			0...500	vppm

Measuring Ranges paramagnetic *

O ₂			0...21	Vol%
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other gases on request

Mega Measuring Ranges *

multiple ranges per gas with / without automatic change

Precision of Measurement

≤ 3 % of end of range (NDIR)

Zero Point Drift

≤ 1 % of end of range / week (NDIR)

Time Constant

T63 <15s (NDIR)

Measuring Gas Conditioning *

internal gas cooler, electronically regulated *1
 seperated inputs for zero point / gas calibration
 particle filter
 flow meter
 gas pump

Interfaces *

digital output:	RS 232
analog outputs:	up to 8, 0/4–20 mA, channel and range configurable
limit value switches	5 potential free switch outputs, free configurable
device status:	three potential free switch outputs

Operation

german and english, others on request
 password protected configuration mode
 start and cycle time of automatic zero point free to configure
 internal system- and error monitoring

operation temperature

5...45 °C / 41 – 113 °F (*1 5 – 35 °C / 41 – 95 °F)

humidity

up to 95 %, non-condensing

Dimensions

height	133 mm (3RU)
width	449 mm (19") for analyzer itself, with additional 483mm
depth *	316 / 376 / 436mm plus assembly parts (34mm) and connectors
mass *	12kg (26.5lbs) maximum

degree of protection

IP 20

Power Supply

230VAC (110VAC on request); P_{max} 60VA

* depending on configuration

february 2015

A SUCCESSFUL NAME – A LONG TRADITION

Stand 10/2012...Änderungen vorbehalten

SAXON Junkalor is a privately owned high-tech company with many years of experience in the field of metrology. In the 100-plus years since its establishment the company has developed into a European leading specialist in gas and particle analysis. Junkalor masters physics and technique of gas and particle measurement from sensing device to complete analyzer.