ecom-J2KNpro SERIES

The ecom-J2KNpro represents the ultimate workhorse for industrial gas analysis. Its performance is unsurpassed in the field of portable emissions and combustion analysis.

Can be used for CTM-030/034, ASTM D6522, ZZZZ, JJJJ, SCAQMD 1110.2 & 1146.1, and MSAPR





PORTABLE GAS ANALYSIS

Bluetooth Wi Fi

Made in Germany

Reliable
Its multi-stage industrial sample conditioning system and heated sensor block allows for accurate measurement results

Quick Response
With the strongest gas pump strength in its class the analyzer readings stabilize quickly and you can get your job done faster

Rugged
The analyzer is contained in an aluminum framed transport case to withstand even the roughest environments

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ecom® Measurement Technology

" J2KNpro Easy for standard testing, tuning & maintenance; J2KNpro Expert for advanced features and cycle testing."

THE PROFESSIONAL SOLUTION

Verification and tuning of medium to large combustions systems



- Up to nine (9) gas sensors possible (J2KNpro Expert)
- Industrial Peltier cooler and pump, with automated moisture removal
- CO sensor overload protection to avoid measurement interruption
- Fresh air purge (J2KNpro Expert)
- Heated sensor block
- Integrated printer and automated soot measurement

● = Basis EC ● = Optional EC ● = Optional NDIR; ● = Optional Pellistor

O_2 | CO | NO | NO_2 | CO % | SO_2 | H_2 | H_2S | CO_2 | CH_4 | C_xH_y

Technical data			√ Standard • Option
Measurements	Range	Resolution	Accuracy	
Sensors (J2KNpro Easy)				6
O_2	0...21 %	0,1 vol. %	± 0,3 vol. %	√
CO (H_2-comp.)	0...2,500 ppm (10,000 ppm)	1 ppm	± 5 % of measured	√
CO (n. H_2-comp.)	0...63,000 ppm	5 ppm	± 10 % of measured	•
CO% IR-bench	0...10 vol. %	0,001 vol. %	± 0,02 vol. % measured	•
CO_2 IR-bench	0...20 vol. %	0,1 vol. %	± 0,3 vol % measured	•
NO	0...5,000 ppm	1 ppm	± 5 ppm measured	•
$NO_{ExtraLow}$	0...300 ppm	0,1 ppm	± 2 ppm measured	•
NO_2	0...1,000 ppm	1 ppm	± 5 ppm measured	•
$NO_{2\ Low}$	0...100 ppm	0,1 ppm	± 5 ppm measured	•
SO_2	0...5,000 ppm	1 ppm	± 5 ppm measured	•
H_2	0...20,000 ppm	1 ppm	± 5 ppm measured	•
H_2S	0...1,000 ppm	1 ppm	± 5 ppm measured	•
CH_4 IR-sensor	0...5 vol. %	0,01 vol. %	± 0,2 vol. % measured	•
C_xH_y Pellistor	0...4 vol. %	0,01 Vol. %		•
C_xH_y (CH_4) IR-bench	0...3 vol. %	0,001 vol. %	± 0,005 vol. % measured	•
C_xH_y (C_3H_8) IR-bench	0...2.000 ppm	1 ppm	± 4 ppm measured	•

Technical data	
Calculated values	Range
CO_2 combustion efficiency (ETA)	0...120 %
Excess air (lambda)	>1
Losses qA	0...100 %
$CO_{(U)}$ undiluted	x ppm
dew point	x° C
mg/m^3	x mg/m^3
mg/kWh	x mg/kWh
NO_x	ppm
O_2 correction	x % O_2

Measurements	Range	Resolution	Accuracy	
T-Gas	32...932 °F	0,1 °F	± 1,5 % measured	√
	32...1,832 °F	0,1 °F	± 1,5 % measured	•
T-Air	32...210 °F	0,1 °F	± 1 °F	√
Draft | △P	± 40" H_2O	0.004" H_2O	± 2 % measured	√

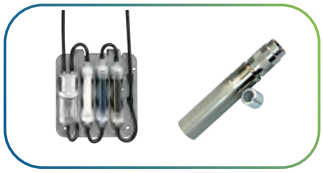
Optional Add-ons

- NO_x sample line to reduce NO_2 and SO_2 dropout
- Heated sample lines with custom lengths
- Calibration gas kits

Heat protection shield
To protect the probe against heat radiation.



Pre-Filters
To provide additional protection for soot heavy applications.



ecom-DP2
Differential pressure meter that combines multiple manometers into one.



e.CLOUD by ecom
Digital reporting, data-, customer & equipment management.



As of 08/24. Technical and designe changes as well as possible printing errors are subject to change.