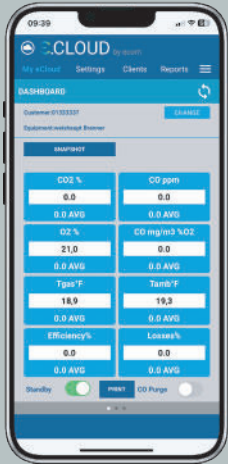


ecom-J2KNpro^{SERIES}

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



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

ecom[®]
Measurement Technology

PARTNER
206 Pembina Road, Sherwood Park, AB T8H 0L8
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intricategroup.com/products



"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



Technical data				✓ Standard	• Option
Measurements	Range	Resolution	Accuracy		
Sensors (J2KNpro <i>Easy</i>)					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 _{2Low}	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 ₂ S	0...1,000 ppm	1 ppm	± 5 ppm measured	•	
CH ₄ IR-sensor	0...5 vol. %	0,01 vol. %	± 0,2 vol. % measured	•	
C _x H _y Pellistor	0...4 vol. %	0,01 Vol. %		•	
C _x H _y (CH ₄) IR-bench	0...3 vol. %	0,001 vol. %	± 0,005 vol. % measured	•	
C _x H _y (C ₃ H 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 ΔP	± 40" H ₂ O	0.004" H ₂ O	± 2 % measured	✓

Optional Add-ons

- NO_x sample line to reduce NO₂ and SO₂ dropout
- Heated sample lines with custom lengths
- Calibration gas kits

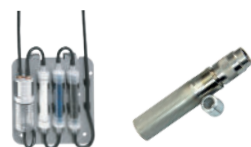
Heat protection shield

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.

