

RUGGED RELIABLE ACCURATE LIGHTWEIGHT



ECOM J2KN^{pro} TECH

LONG-TERM MEASUREMENTS

The ecom-J2KN^{pro} TECH is factory customizable to utilize physical measurement methods; NDIR, Chemiluminescence and Photoacoustic Spectroscopy as well as Electrochemical sensors.

THE ACCURACY OF FOUR MEASUREMENT METHODS

ECOM J2KN^{pro} TECH FEATURES

SENSOR OPTIONS

- ELECTROCHEMICAL: O₂, CO, NO, NO₂, SO₂, H₂S, H₂, C_xH_y
- CHEMILUMINESCENCE: NO (NOX CONVERTER)
- PHOTOACOUSTIC SPECTROSCOPY: NO₂
- NON DISPERSIVE INFRARED: CO, CO₂, C_xH_y, SO₂

VARIOUS MODES OF DATA TRANSFER AND OUTPUT AVAILABLE

- WI-FI, BLUETOOTH, USB, ANALOG OUTPUT, PRINTER

INDUSTRIAL SIZE PELTIER COOLER

ADVANCED ON-BOARD SAMPLE CONDITIONING

CO PURGE PUMP TO PREVENT OVERSATURATION

PORTABLE AND COMPACT FOR EASY TRANSPORT

ADD-ONS

- E-COMPLY TESTING AND REPORTING SOFTWARE
- CALIBRATION GAS KIT
- HEATED SAMPLE LINE



COMPACT PACKAGE

The J2KN^{pro} TECH Analyzer is protected by robust transport case and protective housing



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100% CALIBRATION AND INTELLIGENT COOLING

The ecom-J2KNpro TECH can be equipped with sensors that allow for semi-continuous sampling. Our three point climatic chamber calibration provides for temperature compensation of the sensors for exact measurement results.



ECOM J2KN^{PRO} TECH TECHNICAL SPECIFICATIONS

Measurements	Range	Accuracy	Resolution	Sensor***	Sensor type
Oxygen (O ₂)	0-21% vol	± 0.2% vol	0.1% vol	4-5 Years	Electrochemical
Carbon Monoxide (CO)	0-10,000 ppm	±2% Measured*	1 ppm	6-8 Years	Electrochemical
Carbon Monoxide (high)	0-63,000 ppm	±2% Measured*	5 ppm	6-8 Years	Electrochemical
Nitric Oxide (NO)	0-5,000 ppm	±5% Measured*	1 ppm	6-8 Years	Electrochemical
Nitric Oxide (low)	0-500 ppm	±5% Measured*	0.1 ppm	6-8 Years	Electrochemical
Nitrogen Dioxide (NO ₂)	0-1,000 ppm	±5% Measured*	1 ppm	6-8 Years	Electrochemical
Nitrogen Dioxide (low)	0-100 ppm	±5% Measured*	0.1 ppm	6-8 Years	Electrochemical
Sulfur Dioxide (SO ₂)	0-5,000 ppm	±5% Measured*	1 ppm	6-8 Years	Electrochemical
Hydrogen Sulfide (H ₂ S)	0-1,000 ppm	±2% Measured*	1 ppm	4 Years	Electrochemical
Combustibles (CxHy)	0-4.00% vol	0.01% vol		5 Years	Pellistor
Nitric Oxides (NO)		<2% of full scale*			Chemiluminescence
Nitrogen Dioxide (NO ₂)	0-200 ppm	±2% of full scale*	0.1 ppm		Photoacoustic Spectroscopy
Nitrogen Oxide (NO _x)					Converter
Carbon Monoxide (CO)	1,000-63,000 ppm	±5% Measured*	10 ppm	5 Years	NDIR
Carbon Monoxide (CO)	0-1,000 ppm	<1% of full scale*	1 ppm	5 Years	NDIR
Carbon Dioxide (CO ₂)	0-20% vol	±5% Measured*	0.1% vol	5 Years	NDIR
Carbon Dioxide (CO ₂)	0-20% vol	±2% of full scale*	0.01% vol	5 Years	NDIR
Sulfur Dioxide (SO ₂)	0-1,000 ppm	±2% of full scale*	1 ppm	5 Years	NDIR
Methane (CH ₄)	0-3.00% vol	±5% Measured*	0.001% vol	5 Years	NDIR
Propane (C ₃ H ₈)	0-2,000 ppm	±5% Measured*	1 ppm	5 Years	NDIR

* Accuracy: When calibrated prior to use per ECOM America, Ltd. specifications.

** Probe dependent

*** Sensor life will vary due to frequency of use and application

ELECTRICAL

Main Power: 110v 60Hz

Remote: 3AA Ni-MH 1.2V
2Ah

DIMENSIONS

20" x 10" x 26" (LxWxH)

62 lbs. weight

SAFETY

Automatic CO-bypass without measurement interruption, automatic CO-reconnection after purging, condensate monitoring

CONTACT US

ECOM America, Ltd.
1628 Oakbrook Drive
Gainesville, GA 30507

Toll Free: 1-877.326.6411
Tel: 770.532.3280
ecom.info@ecomusa.com

ECOM analyzers are setting the industrial standard again.

For more detailed information please visit www.ecomusa.com.