



SUMINISTROS DE LABORATORIOS KASALAB S.A.S
NIT 900.745.087 - 2 IVA RÉGIMEN COMÚN
CR. 81 B No. 51 - 52 / Teléfono (604)3629187 - 3006224380
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Medellín - Antioquia

SOMOS AUTORRETENEDORES DE RENTA RESOLUCIÓN 004921 DE 06/JUL/2021
NO SOMOS GRANDES CONTRIBUYENTES

COTIZACION DE
VENTA

COT-54908

Fecha: 03-03-2026

SOMOS AUTORRETENEDORES DE ICA EN LA CIUDAD DE MEDELLÍN, RESOLUCIÓN 202050056223 DE 2020

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Ítem	Descripción	Imagen	Cant	Precio	Valor Total
1	DX-4015 - ANALIZADOR DE GASES MULTICOMPONENTE FTIR - GASMET. - Interferómetro Giccor con 8 cm-1 resolución - Detector MCT refrigerado por Peltier celda de gas de 9,8 metros de (volumen 0,45 litros), Níquel +rodio + recubrimiento de oro espejos permanentemente alineados con de una sola pieza construcción totalmente metálica - Bomba de muestreo interna - Racores de celda de gas 1/4 Swagelok® entrada y salida - Fuente de alimentación de 15 VCA 12VDC externa disponible para batería del equipo. - Cable de conexión serie a PC Operaciones y mantenimiento manual. - Incluye software para la operación del equipo - Material: Aluminio - Etiqueta CE: Conforme a la directiva EMI 89/336/CE. - Dimensiones (mm): 438 * 164 * 445 - Peso: 14,9 kg Incluye accesorio - GASES DE CALIBRACION DE EFECTO INVERNADERO - PAQUETE DE FILTRO Y DE PARTICULAS PTFE Y FLUOROPOLIMERO - DESECANTE DRIERITE PARA GT5000 TERRA - CABLE DE ALIMENTACION DE 12 V PARA MODELOS DX CON CLIPS PARA BATERIA - CÁMARA DINÁMICA DE FLUJO DE SUELO - ACCESORIOS Y CONSUMIBLES PARA DX4015 (Tanques de nitrógeno 1 m3; Flujómetro 2LPM; Manómetro 2.5 PSI; Tablet windows con conexión USB-A; Batería para DX4015) - Garantía de 2 años por defectos de fábrica. - Se realiza instalación, capacitación, puesta en marcha y mantenimiento preventivo durante los durante 3 visitas sin costo adicional. - Manual en español.		1	\$602,575,000	\$602,575,000



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OBSERVACIONES

TIEMPO DE ENTREGA: 60-90 SALVO VENTA PREVIA Y/O SUJETO A CAMBIOS POR DISPONIBILIDAD DE FABRICA.

Al aceptar esta cotización, usted acepta nuestras políticas. Puede consultarlas en nuestro sitio web o a través del siguiente enlace: <https://kasalab.com/politicas-kasalab/>

Gerente General

SUBTOTAL:	\$ 602,575,000
TOTAL, IVA 19%:	\$ 114,489.250
DESCUENTO:	\$ 0
TOTAL:	\$ 717.064.250

DX4015 FTIR Gas Analyzer



Multicomponent FTIR Gas Analyzer

Gasmet On-site Series includes portable multicomponent gas analyzers for demanding applications. The Gasmet DX4015 features a Fourier transform infrared (FTIR) spectrometer, a temperature-controlled sample cell with a built-in pump, and signal processing electronics. The sample cell can be heated to 50 °C. Sample cell absorption path length is selected according to the application. This analyzer offers versatility and high performance for different applications.

The Gasmet DX4015 is designed for on-site measurements at low concentrations in ambient air. Typical usage areas include industrial hygiene and emergency response situations.

The Gasmet DX4015 is factory calibrated using certified single component calibration gases. There is no need for the user to do any span calibrations after that. The user can also easily configure the analyzer for a new set of compounds.

* Gasmet Technologies Oy shall not be liable for technical or editorial errors or omissions contained herein. The information in this document is provided "as is" without warranty of any kind and is subject to change without notice. Should you find any errors, we would appreciate if you notified us.

General parameters

Measuring principle:	Fourier transform infrared, FTIR
Performance:	Simultaneous analysis of up to 50 gas compounds
Response time, T ₉₀ :	Typically < 120 s, depending on the gas flow and measurement time
Operating temperature:	Short term 0 – 40 °C long term 5 – 30 °C non-condensing
Storage temperature:	-20 – 60 °C, non-condensing
Power supply:	100-115 or 230 V / 50 -60 Hz 12 VDC
Power consumption:	Average 150 W, maximum 300 W

Spectrometer

Resolution:	8 cm ⁻¹ or 4 cm ⁻¹
Scan frequency:	10 scans / s
Detector:	Peltier cooled MCT
Source:	SiC, 1550 K
Beam splitter:	ZnSe
Wave number range:	900 - 4 200 cm ⁻¹

Sample cell

Structure:	Multi-pass, fixed path length 9.8 m
Material:	100 % rhodium coated aluminum
Mirrors:	Fixed, protected gold coating
Volume:	0.4 liters
Connectors:	Inlets Swagelok 6 mm Outlet Swagelok 6 mm
Gaskets:	Viton® O-rings
Temperature:	50 °C, maximum
Valve:	Manual Swagelok
Window material:	Ar coated ZnSe

Measuring parameters

Zero-point calibration:	24 hours, calibration with nitrogen (5.0 or higher N ₂ recommended)
Zero-point drift:	< 2 % of measuring range per zero-point calibration interval
Sensitivity drift:	none
Linearity deviation:	< 2 % of measuring range
Temperature drifts:	< 2 % of measuring range per 10 K temperature change
Pressure influence:	1 % change of measuring value for 1 % sample pressure change. Ambient pressure changes measured and compensated

Electrical connectors:

Digital interface:	9-pole D-connector for RS-232 Analyzer is connected to an external computer via RS-232C cable. The external computer controls Gasmet.
Power connection:	Standard plug CEE-22

Gas inlet and outlet conditions

Gas temperature:	Non-condensing, the sample gas temperature should be the same as the sample cell temperature
Flow rate:	Approximately 1.5 liters/minute
Gas filtration:	Filtration of particulates (2 µ) required
Sample gas pressure:	Ambient
Sample pump:	Internal, for ambient air only

Electronics

A/D converter:	Dynamic range 95 dB
Signal processor:	32-bit floating point DSP 120 MFLOPS speed
Computer:	External, not included

Analysis software (for external PC)

Operating system:	Windows 7 or Windows 10
Analysis software:	Calumet for Windows

Options

Sample cell:	Multi-pass, fixed path 2.5 m or 5.0 m
Pressure measurement:	Inside sample cell
Analog signals (ext. PC):	TCP module (for analog inputs, outputs, relays)
Sample cell gaskets:	Kalrez®
Power connection:	12 VDC
Power supply cables:	12 V cables with battery clips or cigarette lighter connector
Trolley:	Wheeled cart for the analyzer and laptop computer

Enclosure

Material:	Aluminum
Dimensions (mm):	438 * 164 * 445
Weight:	14.9 kg
CE label:	According to EMI guideline 89/336/EC

