

PERFORMANCE

Accuracy & Repeatability	By Component: ± 0.5% to 2% F.S. [Application-Specific] By Heating Value: ± 0.25% Btu/scf per 1,000 Btu/scf
Sensitivity	By Component: 200 ppm < C7+ or 1 ppm > C7+
Response Time	T90: 4 to 5 Minutes
Method / Technology	Thermal Conductivity Detector Gas Chromatography for Compounds < C7+ Nano-Electrochemical Sensor Gas Chromatography for Compounds > C7+
Components	Btu, Specific Gravity, Wobbe Index, Oxygen, CO, C9+, N ₂ , Methane, CO ₂ , Ethane, H ₂ S, Propane, Iso-Butane, n-Butane, Iso-Pentane, n-Pentane, Neo-Pentane, H ₂ [Vapor, Vaporizable, Liquid-Injection Systems Available]

ENVIRONMENT

Ambient Limits	-20 to 60°C [-4° to 140°F], 0 to 95% Non-Condensing RH [50°C Limit Using NEMS]
Enclosure	Div 2: Stainless Steel, NEMA 4 / 4X, IP65 Div. 1: Cast-Aluminium, NEMA 4 / 4X / 7, IP65 Zone 1: Cast Aluminum, NEMA 3, IP54
Dimensions	686 x 838 x 318 mm [27" x 33" x 12.5"] / 838 mm [48"] Height With VAC Power 838 x 1219 x 318 mm [33" x 48" x 12.5'] When Using NEMS
Weight	Div. 2: 38.6 kg. [85 lbs.] Div. 1 & Zone 1: 54.4 kg [120 lbs.] / 81.6 kg [180 lbs.] With NEMS


UTILITIES

Power / Consumption	24 VDC or 90 to 240 VAC, 100 Watts Start-up, 50 Watts Running
Carrier Gas	Helium or Hydrogen, 4.1 bar, 20 cc/min [60 psi]
Calibration Gas	100 cc/min, 1 bar [15 psi]

COMMUNICATIONS

Analog Outputs / Inputs	4 x 4-20mA (Loop or Self-Powered) / 3 x 4-20mA [RTD, 4-20mA, Transducer]
Modbus	TCP/IP, RS232, RS485
Digital Outputs / Inputs	4 x SPDT Relays / 4 Discrete Inputs
Human Machine Interface	Color LCD With Extendable Keypad
PC GUI	Ethernet Access

CERTIFICATIONS

CEC / NEC	Class I Div. 2 Groups BCD T3 / Class I Div. 1 Groups BCD T3
ATEX / IECEx Zone 1	II 2 G Ex db [ia Ga] IIB + H ₂ T3 Gb T _{amb} -20 ≤ Ta ≤ 60C 
Measurement Canada	Approved