

JUM 109 A

FID VOC THC MHC NMHC Analyzer

The J.U.M Model 109A is a proven HFID for over 20 years. It is a highly reliable and rugged non-methane total hydrocarbon analyzer.

The 109A uses two parallel operating FID detectors in a heated oven to prevent any loss of hydrocarbons and to provide reliable performance in VOC analysis, from low traces to high ranges.



- ✓ Rental from one day
- ✓ Technical assistance included
- ✓ Comply with EN ISO 25140 & VDI 3481 norms
- ✓ Certified QAL1 - Norms EN 14181 & 12619 - EN ISO
- ✓ EPA Method 25A (USA)



Flame Ionization Detector (FID)

TECHNICAL SPECIFICATIONS

MEASURING RANGES (ppm)	0-10,100, 1.000, 10.000, 100.000, others on request.
TOTAL SAMPLE FLOW THROUGH	1,5 to 2,8 l / min
LINEARITY	Up to 10.000 ppm full scale within 1.5%
SIGNAL OUTPUTS	0-10 VDC
COMBUSTIBLE GAS	40% H ₂ / 60% He, 100% H ₂ optional
AIR CONSUMPTION	Approx. 300 ml/min to 450 ml/min
OVEN TEMPERATURE	190°C (374°F)
POWER	230VAC/50Hz, 900W
AMBIENT TEMP.	5-43°C (41-110°F)
DIMENSIONS	(W x D x H) 483 mm x 460 mm x 221 mm
WEIGHT	approx. 24 kg

KEY POINTS

- Built-in sample pump
- Fast response time
- Low fuel consumption
- Integrated air generator

APPLICATIONS

- Continuous monitoring
 - Stack gas emissions
 - Combustion engine gas emissions
 - Process gases
 - Detection of traces of hydrocarbons
- Measurement of total hydrocarbons, methane and non-methane in all industries

Recommended equipment for your gas system analysis :



For more information

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* N₂ / Air - CH₄ / C₃H₈

** H₂ / He - H₂100% in option

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SPECIFICATIONS TECHNIQUES

PLAGES DE MESURE (ppm)	0-10, 100, 1.000, 10.000, 100.000, autres sur demande.
DEBIT D'ECHANTILLONNAGE TOTAL	De 1,5 à 2,8 l / min
LINÉARITÉ	Jusqu'à 10.000 ppm pleine échelle à 1,5%
SORTIES DE SIGNAL	0-10 VDC
GAZ COMBUSTIBLE	40% H ₂ / 60% He, 100% H ₂ en option
CONSOMMATION D'AIR	Débit environ 300 ml/min à 450 ml/min
TEMPÉRATURE DU FOUR	190°C (374°F)
PUISSANCE	230VAC/50Hz, 900W
TEMPERATURE AMBIANTE	5-43°C (41-110°F)
DIMENSIONS	(W x D x H) 483 mm x 460 mm x 221 mm
POIDS	approx. 24 kg