



INSTRUMENTS
ANALYTICAL SOLUTIONS



Premier
Solutions Partner

R990

POWERFUL AND VERSATILE MICRO GAS CHROMATOGRAPH

AVAILABLE CONFIGURATIONS

Components	GC#1	GC#2	GC#3	GC#4	GC#5	GC#6	GC#7
	Natural Gas	Natural gas + O ₂ + H ₂	Natural gas + odorant	Natural gas + O ₂ + H ₂ + odorant	Biomethane + H ₂	Biomethane + odorant	Hydrogen
Methane	60 ÷ 99.9% mol	60 ÷ 99.9% mol	60 ÷ 99.9% mol	60 ÷ 99.9% mol	55 ÷ 100 % mol	55 ÷ 100 % mol	
Ethane	0.0 ÷ 20% mol	0.0 ÷ 20% mol	0.0 ÷ 20% mol	0.0 ÷ 20% mol	0.01 ÷ 20% mol	0.01 ÷ 20% mol	
Propane	0.0 ÷ 8% mol	0.0 ÷ 8% mol	0.0 ÷ 8% mol	0.0 ÷ 8% mol	0.01 ÷ 8% mol	0.01 ÷ 8% mol	
i-Butane	0.0 ÷ 1% mol	0.0 ÷ 1% mol	0.0 ÷ 1% mol	0.0 ÷ 1% mol			
n-Butane	0.0 ÷ 1% mol	0.0 ÷ 1% mol	0.0 ÷ 1% mol	0.0 ÷ 1% mol			
neo-Pentane	0.0 ÷ 0.5% mol	0.0 ÷ 0.5% mol	0.0 ÷ 0.5% mol	0.0 ÷ 0.5% mol			
i-Pentane	0.005 ÷ 0.6% mol	0.005 ÷ 0.6% mol	0.005 ÷ 0.6% mol	0.005 ÷ 0.6% mol			
n-Pentane	0.005 ÷ 0.6% mol	0.005 ÷ 0.6% mol	0.005 ÷ 0.6% mol	0.005 ÷ 0.6% mol			
C6+	0.01 ÷ 0.5% mol	0.01 ÷ 0.5% mol	0.01 ÷ 0.5% mol	0.01 ÷ 0.5% mol			
Nitrogen	0.0 ÷ 20% mol	0.0 ÷ 20% mol	0.0 ÷ 20% mol	0.0 ÷ 20% mol	0.0 ÷ 20% mol	0.0 ÷ 20% mol	
CO₂	0.0 ÷ 15% mol	0.0 ÷ 15% mol	0.0 ÷ 15% mol	0.0 ÷ 15% mol	0.01 ÷ 15% mol	0.01 ÷ 15% mol	
CO					≤ 0.1 % mol	≤ 0.1 % mol	
H₂S	0.0 ÷ 0.05%	0.0 ÷ 0.05%	0.0 ÷ 0.05%	0.0 ÷ 0.05%	0.0 ÷ 0.05%	0.0 ÷ 0.05%	
COS	0.0 ÷ 0.05%	0.0 ÷ 0.05%	0.0 ÷ 0.05%	0.0 ÷ 0.05%	0.0 ÷ 0.05%	0.0 ÷ 0.05%	
O₂		0.0 ÷ 3% mol		0.0 ÷ 3% mol	0.0 ÷ 3% mol	0.0 ÷ 3% mol	0.01 ÷ 5% mol
H₂		0.05 ÷ 25% mol		0.05 ÷ 25% mol	0.05 ÷ 25% mol	0.05 ÷ 25% mol	95 ÷ 100 % mol
THT			0.0 ÷ 100 mg/m ³	0.0 ÷ 100 mg/m ³		0.0 ÷ 100 mg/m ³	
TBM			0.0 ÷ 100 mg/m ³	0.0 ÷ 100 mg/m ³		0.0 ÷ 100 mg/m ³	
He	0.0 ÷ 0.1% mol	0.0 ÷ 0.1% mol	0.0 ÷ 0.1% mol	0.0 ÷ 0.1% mol	0.0 ÷ 0.1% mol	0.0 ÷ 0.1% mol	0.0 ÷ 0.1% mol
VOC (Terpenes and Ketones)					0.0 ÷ 0.5% mol	0.0 ÷ 0.5% mol	

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