

High-Speed Refinery Gas Analyzer – Model 1117

- Sample types: Gas
- Full-range hydrogen detection using separate channel with nitrogen carrier gas
- Three channel – dual thermal conductivity detector and flame ionization detector (TCD/TCD/FID)
- Rugged specially formulated packed columns – no degradation from H₂O, NH₃ or other common contaminants
- Critical butene-1/isobutylene separation
- Includes Model 3062 Software, which contains a merge program to combine multichannel data into one report

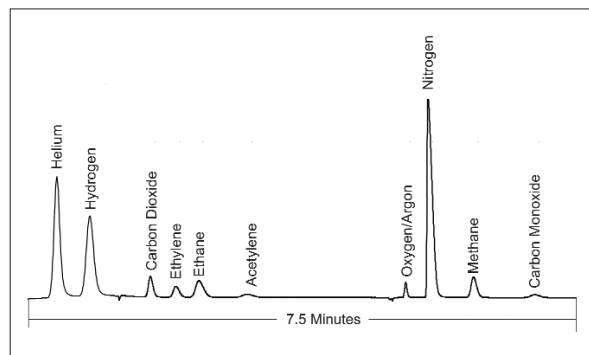
Detected Compounds

- He, H₂, O₂, N₂, CO₂, CO, H₂S, C₁ through C₅, C₅=/C₆+ composite peak

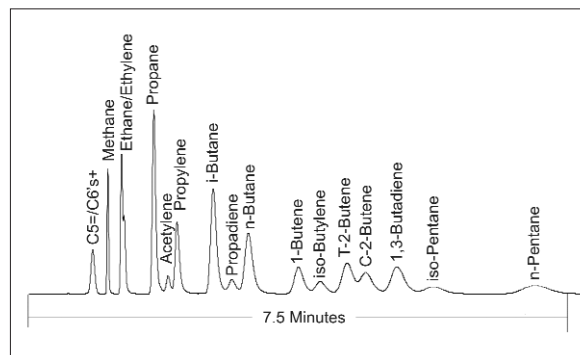
Key Benefits

- Meets
 - ASTM D1945
 - ASTM D1946
 - ASTM D2597
 - UOP 539-86
 - UOP 709
 - DIN 51872-4
- High-speed, 7.5-minute cycle time using nitrogen as the carrier gas in channel A and hydrogen as the carrier gas in channels B and C
- Plumbed with sulfur-resistant materials to enhance H₂S detection
- Guaranteed detection ranges/concentration levels:

	Min (%)	Max (%)
Channel A (TCD)		
He and H ₂	0.01	100
Channel B (TCD)		
H ₂ S	0.02	100
All other components	0.01	100
Channel C (FID)		
C ₅ =/C ₆ + composite	0.01	40
All other components	0.01	100



Channels A and B – TCD/TCD (electronically combined into one output).



Channel C – FID.

PerkinElmer, Inc.
 940 Winter Street
 Waltham, MA 02451 USA
 Phone: (800) 762-4000 or
 (+1) 203-925-4602
www.perkinelmer.com



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