Application Highlights

- A thermal conductivity detector (TCD) to identify air composite (oxygen, nitrogen, and carbon monoxide), methane, carbon dioxide, ethane, propane, isobutane, n-butane, neopentane, isopentane, and n-pentane with an initial C6+ composite backflush to detector.
- 200 ppm lower detection limit for all components except those eluting on the tail of a major preceding constituent.
- System compliant with Gas Processors Association methods 2177 and/or 2261.
- Analysis time is approximately 15 minutes.

Optional Configurations

- Detailed hydrocarbon analysis of extended natural gas
- TCD/FID/FPD for extended natural gas with trace sulfur analysis
- TCD/FID for extended natural gas with helium or hydrogen

For More Information

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FID output
1 Methane 11 Toluene
2 Ethane 12 cC8+
3 Propane 13 Ethylbenzene
4 Isobutane 14 m/p-Xylene
5 n-Butane 15 o-Xylene
6 Isopentane 16 cC9+
7 n-Pentane 17 cC10+
8 Hexane 18 cC11+
9 Benzene 19 cC12+
10 cC7+

TCD output
1 C6+ backflush
2 Air composite
3 Methane
4 Carbon dioxide
5 Ethane
6 Propane
7 Isobutane
8 n-Butane
9 Isopentane
10 n-Pentane

FID and TCD output from Agilent Fast Natural Gas Analyzer.