

Natural Gas Process Instrumentation

- Instrumentation for gas treating, processing and pipeline transmission
- Global presence and world class service support
- Customer support through customized solutions & new product development
- Over 5000 successful field installations worldwide
- Continuous product development for the natural gas industry

AMETEK Process Instruments...Your partner for quality instrumentation for the natural gas industry.

Moisture: QCM

- || Quartz-crystal accuracy with NIST traceable on-line moisture verification in a cost competitive package
- || Fast speed-of-response to changes in moisture levels
- || Designed for dehydration and gas quality monitoring; continuous and reliable measurement of PPMV moisture
- || Portable and stationary models offer wide range of options



Model 3050-OLV



5100 NCM



5100 HD

NG Laser Analyses Available

- || H₂O
- || CH₄
- || CO₂
- || H₂S



5100 Portable

Moisture: Laser

- || Tunable Diode Laser Absorption Spectroscopy (TDLAS) model with integrated non-contact moisture verification
- || Extremely low maintenance results in low cost of ownership
- || Web browser based interface for remote interrogation
- || Suitable for outdoor installation
- || Hazardous area classified models available
- || Ranges & repeatability dependent upon analyte

Natural Gas Process Instrumentation

Integrated Analyzer Shelters

- || AMETEK Western Research builds integrated gas quality and custody-transfer monitoring systems to meet your specific site location requirements



Custom Shelters



Model 933

Dew Point Analyzers and Manual Dew Point Testers

- || Based on first-principal chilled mirror technology
- || Measure the hydrocarbon dew point of natural gas
- || Manual dew point testers available from Chandler Engineering and automatic hydrocarbon dew point testers available from Western Research

Chanscope II
Dew Point Tester



241CEII



Hydrogen Sulfide Analyzers

- || Uses UV Photometry for fast response
- || Applications include sweetening process control and gas quality/ custody transfer monitoring
- || No lead-containing paper tape or mechanical drives
- || No consumables, disposables or reagents
- || Measurable H_2S concentrations from single digit PPMV to 100%
- || COS and methyl mercaptan measurements available as options

Portable Gas Chromatograph

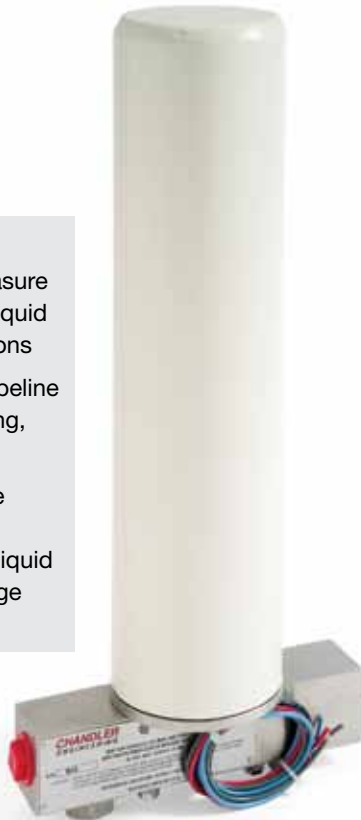
- || BTU on-line BTU analyzer capable of C1-C6 analysis
- || Provides individual component concentration, Wobbe Index, Relative Density and compressibility measurements
- || Easy to operate
- || USB Port for data and printer outputs
- || Truly portable at 37 lbs.
- || 40 minute warm up time



Model 292B

Liquid Density

- || Uses vibrating tube to measure the density of the flowing liquid at actual operating conditions
- || Accurate fluid metering, pipeline interface detection, blending, process control, etc.
- || Excellent quality assurance device and non-intrusive method for identifying the liquid flowing into or out of storage tank



Model 278

Portable Specific Gravity

- || Gas Specific Gravity Measurement
- || Accurate ($\pm 0.5\%$ of reading)
- || Instantaneous response
- || Rugged and reliable
- || Simple and easy to operate
- || Low-cost method for quality assurance verification when specific gravity is an indication of gas quality or composition



Ranarex

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NOTE: Certifications shown may not apply to all products. Consult AMETEK for details.

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One of a family of innovative process analyzer solutions from AMETEK Process Instruments.
Specifications subject to change without notice.

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