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

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

NG Laser Analyses Available
- H₂O
- CH₄
- CO₂
- H₂S
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 H₂S concentrations from single digit PPMV to 100%
- COS and methyl mercaptan measurements available as options

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

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