Panametrics

Aurora Family

Leverage the power of tunable diode laser absorption spectroscopy (TDLAS) technology for faster, more accurate moisture measurement.

Aurora

The Aurora moisture analyzer provides a wide range of measurement with the accuracy and fast response you need for immediate alert of process upset or out-of-compliance moisture concentrations. Once corrected, gas can be quickly cleared for re-entry to pipeline or process. The Aurora features patented pressure and temperature compensation to ensure the most accurate moisture measurement at all times.

Features

- Easy Installation
- Sensor not influenced by process contaminants
- Fastest response to moisture upsets
- Accurate and repeatable
- Non-contact measurement that minimizes drift
- No need for periodic calibration
- Minimal maintenance

Applications include moisture in:

- Natural gas dehydration
- Natural gas storage, transmission and custody transfer
- Carbon dioxide for enhanced oil recovery
- Carbon dioxide for sequestration
- Metal heat treating furnace gases
- Refinery hydrogen recycle gas

Aurora Transport

The Aurora TransPort, is a battery operated, portable analyzer that can be taken into the field to directly measure moisture content of natural gas and other process gases. The analyzer is assembled into a rugged and transportable case with a telescopic handle and wheels. It features a rechargeable battery providing 8 to 10 hours of operation and an integrated sample conditioning system. Aurora TransPort is ideally suited for spot checking processes or for field verification of permanently installed moisture analyzers and transmitters.

Applications include:

- Natural gas processing and drying systems
- Gas storage facilities
- Compression stations
- Refinery processes
- Heat treating furnaces
- Instrument air

Aurora RM

Aurora RM rack-mount analyzer uses tunable diode laser absorption spectroscopy (TDLAS) to accurately measure moisture in a variety of background gases. The Aurora RM analyzer is suitable for installation in safe areas only and operates over a wide range of environmental conditions.

Applications include:

- Moisture in industrial gases
- Moisture in carbon dioxide
- Moisture in metal heat treating
- Moisture in testing and calibration

Aurora NOSS

Aurora NOSS is a simplified version of the Aurora analyzer. It is configured to enable installation within customized sampling systems.
The Aurora NOSS consists of the laser absorption flow cell, sample pressure and temperature sensors, read-out electronics with local display and keypad interface. The unit is assembled on an epoxy coated or 316 SS plate. All system components are Class 1 Division 1 or ATEX/IECEx Zone 1 certified.

Applications include moisture in:

- Natural gas dehydration
- Natural gas storage, transmission and custody transfer
- Carbon dioxide for enhanced oil recovery
- Carbon dioxide for carbon sequestration
- Metal heat treating furnace gases
- Refinery hydrogen recycle gas