Process Insights
Premium Insights Into Process

COSAXENTAUR

DEW POINT METERS

PRODUCT OVERVIEW

Dew Point Meters with HTF™ Sensor Technology

Precise measurement for process control

Reliable Measurement

Fast

Low Maintenance

- Fastest Aluminum Oxide Sensors using HTF™ (hyper-thin film) technology
- Ideal for a wide range of analytical and process measurement applications
- Field-proven and cost-effective

HTF® TECHNOLOGY

Model XPDM – Portable Battery-Operated Compact Dew Point Meter

- HTF™ (hyper-thin film) technology
- Compatible with a wide range of gases and fits wide range of applications
- Easy to use and maintain
- Field accessible calibration
- Good companion to the Model XDT
- Highly configurable user settings
- Measurement range: -100°C to +20°C at ideal pressure
- Portable battery operated, hand-held

Applications

- Spot checking
- Harmonizing and verifying
- Electrical insulating gases
- SF6 moisture measurement
- Natural gas pipelines
- Cryogenic gas producers
- Specialty gas producers
- Welding and joining gas measurement

Model XDT Dew Point Transmitter with Display – The Best "Go To Option" for an Aluminum Oxide Sensor

- HTF™ (hyper-thin film) technology
- Compatible with a wide range of gases and fits wide range of applications
- Field accessible calibration
- Field replaceable sensor
- Highly configurable user settings
- Measurement range: -100°C to +20°C at ideal pressure
- Minimal downtime and low cost of ownership

Applications

- Dryers
- Welding and laser gases
- Clean rooms
- Feedstock gases
- Industrial gases
- Transformers and switch gear
- Semiconductor

Model LPDT – 2 Wire Transmitter with Display – Smallest Loop Powered Dew Point Transmitter on the Market!

- Spot checking
- Harmonizing and verifying
- Electrical insulating gases
- SF6 moisture measurement
- Natural gas pipelines
- Cryogenic gas producers
- Specialty gas producers
- Welding and joining gas measurement

Applications

- Monitoring and control of air dryers
- Plastic dryers
- Glove boxes
- Welding gases
- Clean room environments

Model HDT – 2 Wire Transmitter - Robust Loop Powered Dew Point Meter for Gas and Liquid Hydrocarbon Phase Measurements

- HTF™ (hyper-thin film) technology
- Compact design
- Fast, accurate, reliable
- Programmable alarm signal
- Suitable for pressure or ambient environments
- Temperature compensated calibration
- Waterproof

Applications

- Hydrocarbon processing
- Pure gases in air separation units (ASU) for N_2, O_2, H_2, He
- Natural gas
- Compressed air – instrument air
- Monitoring and control of air dryers
- Industrial gases (welding gases)
- Glove boxes / clean rooms
- Agriculture / food processing
- Semiconductor
- OEM equipment manufacturers

Extractive Sample Systems – Turnkey Integrated Solution for Dew Point Measurement

- HTF™ (hyper-thin film) technology
- Customizable modular design
- Low installation cost
- Preconfigured application-specific systems
- Reduces project complexity and timeline
- Stable, reliable, and cost-effective measurement solution for integrated field calibration and validation capabilities
- Configurable with all COSA dew point meters explosion proof options

Mission-Critical Model ESS-SCVP Self Calibrating System

- HTF™ (hyper-thin film) technology
- Fully automatic self-calibration dew point system
- Integrated field calibration and validation capabilities
- Integrated XDT dew point meter
- Low installation cost and low maintenance
- NIST traceability
- Stable, reliable, and cost-effective measurement solution

Hyper-Thin Film Technology

COSA Xentaur's breakthrough Hyper-Thin Film (HTF™) Technology is based on major advances in thin-film technology and metal oxide sciences. It provides measurements with a sensitivity several orders of magnitude larger than of those made with all other technologies. HTF™ sensors are free of drift and insensitive to temperature changes.

The benefit of high wet to dry capacitance ratio is that drift in capacitance due to undesirable factors is less significant. This is clearly a benefit with HTF™ vs. conventional sensor comparisons of temperature sensitivity and aging drift. The sharp transition from aluminum to aluminum oxide also reduces metal migration, one of the major causes of aging drift in conventional sensors. Across most of their range, our HTF™ aluminum oxide sensors are completely temperature stable. They can be freely exchangeable in the field with only minor adjustments required at the very extreme ends of the measurement range.

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PREMIUM INSIGHTS – GAIN REAL-TIME INSIGHT INTO YOUR PROCESS

Process Insights' products and solutions deliver innovative and differentiated analysis and measurement solutions and technologies that add high value to our customers and protect the environment.

Our commitment is to deliver smart and affordable innovation that optimizes process, improves safety, and transforms our world.

CENTERS OF EXCELLENCE

PROVIDING PROVEN SOLUTIONS FROM A GLOBAL TECHNOLOGY LEADER

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