Portable meteorolgical datalogging system for Collecting Temperature, Humidity, Wind Speed, and Wind Direction Data

The system includes 18-channel data logger with a display + Wind speed and Direction sensor + Humidity sensor+ Thermocouples temp sensors

****With option to connect explosion-proof sensors**

The EE300Ex **air temperature & humidity sensor** and transmitter is dedicated for measurement in explosion hazard areas. It complies with the classifications for Europe (ATEX), International (IECEx) and USA / Canada (FM) and can be employed in gas and dust explosion hazard areas. The intrinsically safe EE300Ex can be installed in the explosion hazard area even in zones 0 / 20 (Divison 1).

The paperless recorder is an advanced **data logger** and data acquisition device including:

- Multiple display options – Available in 4.3", 5.6", and 12.1" screens
- High-speed sampling – 100 msec. scan rate for accurate data logging
- Expanded connectivity – External channels, SD slot, 2 USB ports, and Pulse Input
- Regulatory compliance – Meets FDA 21 CFR Part 11 standards
- Web-based access – Built-in Web Server & Email capabilities
- Enhanced security – Batch operations with handwritten message input
- Compact design
- Multi-language support 19 international languages

BOX-MET-PR2018

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Technical Specifications:

- Display: Touch Screen, TFT, 65K color
- Sampling Rate: 100 msec. scan rate
- Memory: 256 MB Flash internal memory
- Processor: ARM Cortex-A8, 1GHz
- Standard Connectivity: Ethernet, SD slot, USB
- Optional Interfaces: RS232/422/485
- & Pulse input
- Certifications: CE, cULus, RoHS

Wind Sensor:

High-Performance Wind Speed & Direction Sensor

The Wind Sensor is a durable and high-precision wind sensor designed for a wide range of meteorological applications.

Originally developed for ocean data buoys, it features rugged construction, corrosion resistance, and lightweight design, making it ideal for both land-based and marine environments.

Key Features:

- Accurate Wind Speed Measurement

Utilizes a four-blade helicoid propeller that generates an AC sine wave signal proportional to wind speed.

- Reliable Wind Direction Sensing –

A lightweight yet durable vane determines wind direction, with an integrated precision potentiometer housed in a sealed chamber.

- Rugged & Corrosion-Resistant – Constructed from UV-stabilized plastic, stainless steel, and anodized aluminum, ensuring long-term durability in extreme conditions.
- High-Quality Bearings – Precision-grade stainless steel ball bearings with Teflon seals and temperature-resistant grease provide enhanced reliability and longevity.

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Ideal for Various Applications:

✓ Meteorological research & weather stations
✓ Industrial & environmental monitoring
✓ Military, Marine & offshore installations
✓ Airport wind monitoring
✓ Renewable energy assessments

MONITORING FOR HIGH SPEED TRAIN-SPAIN

BIG SKY SKI AREA-MONTANA

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