PENDOTECH
Leading Process Analytics

Real-Time Conductivity Measurements
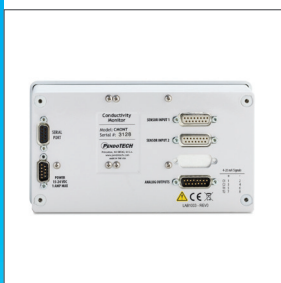## With CMONT Conductivity Monitor

Simultaneous Measurement
The CMONT measures two conductivity sensors, monitoring both conductivity and temperature readings simultaneously.

Temperature Compensation
The CMONT performs temperature normalization to 25°C with an adjustable correction factor for accurate conductivity readings.

User Friendly
The CMONT has user-friendly sensor setup with cell constant input prompts upon connection of a new sensor.

Real Time Data Transfer and Monitoring
The RS-232 data output allows for data transfer to a PC, facilitating real-time data collection with the PMAT Data Acquisition Software (PMATP-GUI).

Simultaneous Measurement Capability
Conductivity Monitor

The CMONT Conductivity Monitor offers a range of features designed for effective conductivity and temperature measurement. It can read data from two sensors simultaneously, and has the option to measure temperature only. Users are prompted to input the cell constant when connecting a new sensor for quick and easy setup. The device performs temperature normalization to 25°C with a mS/C factor of 2.1% per °C, but this compensation factor can also be user adjusted for unique applications. The monitor is equipped with analog 4-20 mA outputs for both conductivity and temperature. Additionally, the RS-232 output can be used for data collection to a PC using the PMATP-GUI Data Acquisition Software. Flexible mounting options are also available including a panel mount kit, DIN rail kit, or benchtop stand. The CMONT includes 10 ft (3.0 meters) cables for connecting conductivity sensors, a power supply with country-specific plug blades, and a connector for field wiring the analog outputs.

METTLER TOLEDO

Conductivity Monitor Details

Enclosure	WxHxD: 7.86 inch x 4.47 inch x 2.25 inch (19.96 x 11.35 x 5.72 cm) Approximate weight: 1.34 lbs (0.6 1 kg), Material: ABS Plastic NEMA 4X front panel; panel and wall mount optional
Keypad	8-button keypad with LEXAN® overlay
Display	4-line backlit LCD
Power Inlet	D9 15-24 volts DC, 4 watts (powered by wall supply) Pin 1- ground; Pin 4- +24V
Sensors Input (s)	D15 female; Temperature Pin 7 (-), Pin 2 (+); Conductivity Pin 9 (high), Pin 12 (low)
Analog Output(s)	D15 male Conductivity 4-20 mA range: 0-100 mS Temperature 4-20 mA range: 0-70°C (32°F to 158°F) Accuracy: 0.1% of full scale Sourcing with maximum load: 400 ohms
RS-232 Output	Data output to a PC at frequency up to 1/sec.
Regulatory Compliances	RoHS and REACH Compliant CE Mark EN613261:2013; EN61010-1:2010

Ordering Information	Order Number
Pendotech monitor and transmitter for 2 conductivity sensors (4 analog outputs, 2 temp, 2 conductivity)	CMONT
Data Acquisition and Trending Software for PressureMAT and CMONT with 2 USB/serial cables to connect to a PC	PMATP-GUI
CMONT Installation Qualification/Operation Qualification (Protocol documentation includes Breakout Board, CMONT-TKS test kit)	CMONT-IQ/OQ
CMONT Panel Mount Upgrade Kit-2 gaskets (one and a spare), 4 mounting brackets, 2 sensor cables (CN-650-298), 2 sensor connectors (one for each input), and power input connector	CMONT-PANEL
DIN rail mounting kit for CMONT	CMONT-DIN
Cable adaptor with D15 male for Single Use Conductivity Sensor for CMONT (10 ft/3.04 M)	CMONT-650-298
Benchtop stand	PMAT-STAND
Pendotech conductivity monitor test kit for conductance and temperature verification	CMONT-TKS