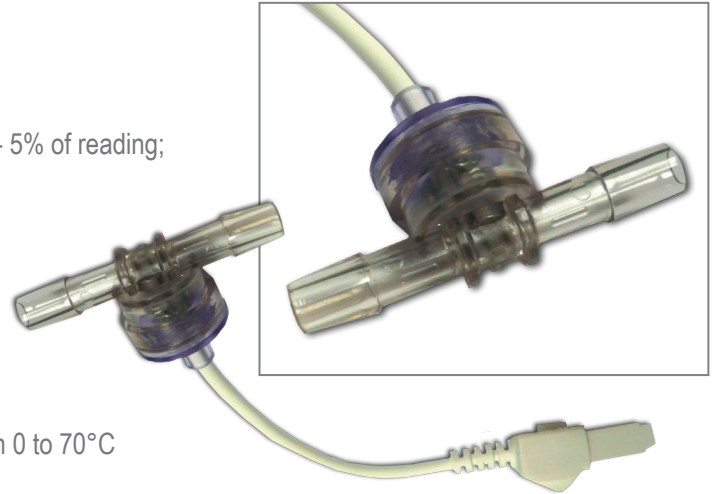


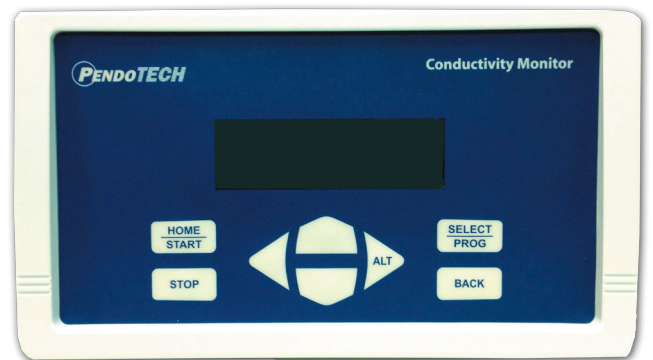
PendoTECH Single Use Conductivity Sensors™

- Measure raw conductivity and temperature
 - Performance with temperature correction
 - Range: 0.1 to 100 mS/cm
 - Accuracy: from 0.1 to 2 mS/cm +/- 0.1 mS/cm; 2 to 50 mS/cm +/- 5% of reading; 50 to 100 mS/cm typically +/- 5% of reading
 - Pressure Rating: 75 psi (5 bar)
- Fluid path materials
 - Gamma compatible
 - NaOH resistant
 - USP Class VI
- Temperature measurement for compensation by monitor in the range from 0 to 70°C (better than +/- 0.2°C)
- No calibration required because of pre-determined cell constant and also optional one-point calibration by user
- Low cost for single use applications; may be repeatedly cleaned and re-used



Monitor Details:

- Reads conductivity and temperature from sensor
- Reads 2 sensors; including ability to read temperature only
- User is prompted to enter cell constant when new sensor is connected
- Performs temperature normalization to 25°C
 - User adjustable mS/ °C factor
 - Default factor of 2.1% per °C
- Analog 4 - 20mA outputs for both conductivity and temperature to enable integration to a control system
- RS232 output for data collection to a PC
- Panel mount kit, DIN rail kit, and benchtop stand available



**OPTIONAL
DIN RAIL KIT**

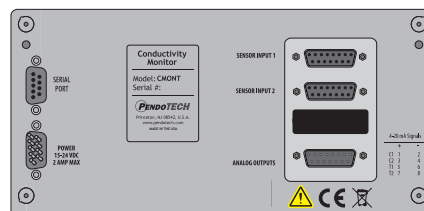


**MOUNTED IN
OPTIONAL STAND**



System Includes:

- Conductivity Monitor Unit
- Cables for connection of conductivity sensors - 10ft / 3.04 meters
- Power Supply with blades for country
- Connector for field wiring



**BACK PANEL
SCHEMATIC**

Detail	Specifications
Accuracy	From 0.1 to 2 mS/cm +/- 0.1 mS/cm; 2 to 50 mS/cm +/- 5% of reading; 50 to 100 mS/cm typically +/- 5% of reading
Pressure Range	75 psi max
Biocompatibility	All materials in contact with product fluid path meet USP Class VI requirements, both pre and post gamma exposure
Manufacturing Environment	FDA Registered, ISO 13485 certified facility; Class 5
Gamma Irradiation	Up to 50 kiloGrays
Operating Temperature	2° C to 50° C (other ranges with process qualification) thermistor reads to 70° C
ADCF Status	All fluid path materials are animal derived component free
Temperature Range	0 to 70 °C
Temperature Accuracy	Better than +/- 0.2°C (typical better than 0.1°C)
Temperature Element	Thermistor with resistance @25°C of 2252 ohm
Connector	Custom molded water-tight 4 pin connector
Packaging	Sealed in vapor barrier bag inside polybag

System Component	Specifications
Enclosure	WxHxD: 7.86" x 4.47" x 2.25" (19.96 x 11.35 x 5.72 cm) Approximate weight: 1.34 lbs (0.61 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 (screw terminal adaptor included as shown on right) Conductivity 4-20 mA Range: 0-100 mS Temperature 4-20 mA Range: 0-70°C Accuracy: 0.1% of full scale Sourcing with Maximum Load: 400 ohms
RS232 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



4-20 mA Signals		
	+	-
C1	1	2
C2	3	4
T1	5	6
T2	7	8



COMING SOON:
1/4 DIN single channel
panel mount version



CMONT-650-298



Sensor shown with
K-factor printed on tag

Ordering Information

CMONT	PendoTECH monitor and transmitter for 2 conductivity sensors (4 analog outputs, 2 temp, 2 conductivity)
CONDS-N-025	Single Use Conductivity Sensor, non-sterile, polysulphone 1/4 inch hosebarb
CONDS-N-050	Single Use Conductivity Sensor, non-sterile, polysulphone 1/2 inch hosebarb
PMAT-STAND	Benchtop Stand
PMATP-GUI	Data Acquisition and Trending Software for PressureMAT and CMONT with 2 USB/serial cables to connect to a PC
CMONT-PANEL	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-DIN	DIN rail mounting kit for CMONT
CMONT-650-298	Cable adaptor with D15 male for Single Use Conductivity Sensor for CMONT (10ft/3.04M)

For warranty information see our website at <http://www.pendotech.com/warranty>