

3M™ WS Aware Dual Workstation Monitor Models CTC061 and CTC062

Assurance of continuous good grounding is one of the cornerstones of an ESD-safe environment. The WS Aware Dual Workstation Monitor provides continuous, uninterrupted monitoring of most grounding parameters on a workbench or in a tool, as well as high-frequency noise (EMI) on ground.

For operators, the WS Aware Dual Workstation Monitor utilizes dual wrist straps for a continuous resistance check of the operator. Each operator's body voltage is also continuously monitored.

For equipment, the WS Aware Dual Workstation Monitor, Model CTC061 provides continuous monitoring for two metal grounds (i.e. tools) and for two "soft" grounds (i.e. dissipative mats). The WS Aware Dual Workstation Monitor, Model CTC062 provides continuous monitoring for four metal grounds.

The WS Aware Dual Workstation Monitor provides monitoring of EMI on metal grounds.



Specifications	Typical Value
Wrist Strap Type	Dual Conductor Mini-plug
Connection to Ground	1 megohm for each side
Number of Wrist Straps	2
Imposed Voltage on Body	0.1V (100mV)
Remote Terminals	2, one for each operator
Remote Terminal Cables	Mini-DIN 6-pin
Visitor Jack on Remote	Available
Body Resistance Alarm Level	10 megohm default
Body Voltage Alarm Level	+/-2.5V
Local Indication	LED, Buzzer
Indicated Parameters	Availability Continuity Body Voltage
Parameters Monitored – CTC061	
Metal Ground (Tools)	2 connections
Dissipative Surfaces	2 connections
Parameters Monitored – CTC062	
Metal Ground (Tools)	4 connections
Connection Activation	Dip-switch (no jumpers)
Metal Ground Alarm*	10 Ohm default
Dissipative Ground Alarm*	1 gigohm default
Imposed Voltage	
Metal Ground	< 1.5V open circuit
Dissipative Surfaces	< 1.5V open circuit
Local Indication	Good/Alarm/Off LED, Buzzer
Indicated Parameters	Resistance Alarm and EMI on Metal Ground alarm
Output Parameters for Each Connection	Availability Resistance to Ground EMI (Metal Ground)

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Specifications	Typical Value
Interface	
Current Loop Logic Level	4-20mA 0/20mA
MODBUS Digital I/O Interface	MODBUS Std. Compliant RS485
Data Connector	RJ45 jack
General	
Power (local or network) Voltage	12-24VDC
Power Supply	Universal: 100 - 240VAC, 0.5A, ~ 50/60Hz Output: 12VDC, 1.5A
Dimension (approx.)	3.2" L x 2.25" W x 1.30" D 81 mm L x 57 mm W x 33 mm D
Weight (approx.)	4.25 oz (120 g)

Important Notice

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Ordering Information

The following is included when you order WS Aware Dual Workstation Monitor:

- 1 each – Models CTC061 and CTC062
- 2 each – Remote terminal (Offers a choice of two types of remote terminals CTA242 or CTA243)
- 2 each – 10' (3 m) cable
- 1 each – User's guide
- 1 each – Grounding hardware
- 1 each – Calibration certificate
- 1 each – Power supply

Accessories

- CTA212 – AC/DC Power Adapter (Universal)
- CTA245 – Replacement Terminal Board w/Jacks
- NCA001 – Remote Terminal Cable (10' – 3m)
- CTA242 – Regular Remote Terminal: 1 operator and 1 visitor jack. No Big Brother proximity Sensor
- CTA243 – 3M™ Big Brother Terminal: 1 operator and 1 visitor jack. Big Brother proximity Sensor

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