



# CONTINUOUS MONITOR SELECTION GUIDE

## Types of Continuous Monitors

### Capacitance (or single wire) constant monitors

This type of monitor is simplest and most cost effective constant monitor. When a person is wearing the single wire wrist strap the monitor detects the person and puts the monitor in the unalarmed state. The monitor circuit detects a person (a conductive object) and its relationship to ground (another conductive object).














### Impedance (or single wire) constant monitors

The impedance monitor uses a detection circuit designed to reduce false alarms and eliminate adjustments. It uses the phase difference between current and voltage to detect changes in impedance of the cord, band and person. A very low AC voltage is used for constant sensing. Any standard wristband and coiled cord can be used.

### Resistance (or Dual Wire) constant monitors

This type of monitor is used with a two wire (dual conductor) wrist strap. When a person is wearing a wrist strap, the monitor observes the resistance of the loop, consisting of a wire, a person, a wristband, and a second wire. If any part of the loop should open (become disconnected or have out of limit resistance), the circuit will go into the alarm state. An important feature of the Dual Wire Wrist Strap is that even if one conductor is severed, the operator has reliable path-to-ground with other wire.

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	Single Wire	Dual Wire	Monitors: 1 Operator	Monitors: 1 Operator 1 Mat	Monitors: 2 Operators 1 Mat	Monitors: 2 Operators 2 Mats
<b>OhmMETRICS</b> Test & Measurement Equipment  <b>CM400</b>  <b>CM410</b>  <b>CM420</b> <ul style="list-style-type: none"> <li>•The most simple &amp; cost effective monitors available</li> <li>•Audible and visual alarms</li> <li>•Compatible with single wire wrist straps</li> <li>•Mounting bracket included</li> </ul>	✓		✓			
	✓			✓		
	✓					✓
<b>SPARTAN</b> CONTINUOUS MONITORS  <b>CM300</b>  <b>CM310</b>  <b>CM320</b> <ul style="list-style-type: none"> <li>•Audible and visual alarms signal a problem</li> <li>•Durable anodized aluminum case</li> <li>•Compatible with single wire wrist straps</li> <li>•Mounting bracket included</li> </ul>	✓		✓			
	✓			✓		
	✓					✓
<b>SPARTANMAX</b>  <b>CM330</b> <ul style="list-style-type: none"> <li>•Audible and visual alarms</li> <li>•Built in dry contact relay</li> <li>•Sensor for operator presence</li> </ul>	✓			✓		
 <b>RESISTANCE RANGER</b> DUAL WIRE CONSTANT MONITORS  <b>CM1600</b>  <b>CM1601</b>  <b>CM1602</b>  <b>CM2800</b>  <b>CM2815</b> <ul style="list-style-type: none"> <li>•Dual Wire Resistance Technology</li> <li>•Fixed Alarm Limits</li> <li>•ESD Safe Case</li> <li>•Audible and Visual Alarms</li> <li>•Output signal for alarm</li> <li>•Fixed Alarm Limits</li> <li>•Network-Ready</li> <li>•Data acquisition software</li> </ul>		✓				✓
		✓	✓			
		✓		✓		
		✓				✓
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