

TENSOR

The Tensor includes either WiFi or LTE connectivity, remote access to real-time and historical data, and receptacle power control. Identify voltage and equipment problems, track power usage, and control loads from your web browser.

- Adjustable voltage, current and power thresholds
- Instant e-mail & SMS alerts
- Cloud based data collection and analytics
- Wireless monitoring and smart plug control
- Advanced power quality: transient capture, harmonics, flicker, and ITIC triggering



TENSOR Specifications

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| INPUTS | AC Voltage | 0 to 140 V RMS 0-75 V RMS neutral-ground |
| | AC Current | 0 to 70 A RMS (15 amps continuous) |
| | Sample Rate | 256 samples/cycle |

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| CHANNELS | Voltage | 2 channels |
| | Current | 1 channels |

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| BASIC MEASUREMENTS | RMS Voltage | Volts |
| | RMS Current | Amps |
| | Real Power | Watts |
| | Apparent Power | VA's |
| | Reactive Power | VARs |
| | Power Usage | kWh, kVARh, kVAh |

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| ADVANCED POWER | Phase Angle | Degrees |
| | Power Factor | Watts/VA |
| | Displacement PF | cos (phase angle) |

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| ACCURACY | Voltage | 0.33% of full scale |
| | Current | 1.0% of full scale |
| | Power | 1.0% of full scale |
| | Phase Angle | 1.0° |
| | Power Factor | ±0.02 |
| | Displacement PF | ±0.02 |

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| POWER FAIL OPERATION | The recorder can operate without any input voltage for up to 5 minutes. | |
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| HARMONICS | Voltage | to the 51st |
| | Current | to the 51st |
| | Measures | Magnitude, phase, THD |

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| SAFETY | 150 V CAT II, UL Listed, UL 60730-1/ CSA E60730-1, Indoor use only, Max load 1875VA | |
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| COMMUNICATIONS | Cell Modem or WiFi | |
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| INFORMATION STORAGE | Data Storage | 64 MB in device, unlimited with PQ Canvass cloud storage |
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| RECORD SETTINGS | Interval Graphs | 1 cycle to 4 hour interval, user selected, stop-when-full or wrap- around memory modes |
| | Significant Change Flicker Settings | 1 V to 8 V in 1 V steps User-defined, or conform to IEEE 1453/ IEC 61000-4-15, and IEEE Std. 141 |
| | Waveform Capture | Voltage and current threshold, periodic capture, waveshape, event cross triggers |
| | CBEMA/ITIC | Triggered event capture |

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| POWER SUPPLY REQUIREMENTS | Voltage | 70-140 VAC Line to Neutral (47-63 Hz) |
| | Power Consumption | 4 Watts max |

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| ENVIRONMENTAL PHYSICAL DIMENSIONS | Operating Temp | -20° F to +135° F |
| | Size | 4.9" L x 2.7" W x 1.25" H |
| | Weight | 8oz |