A10 Wireless, Real Time Power Consumption Monitoring Solution



Wireless AC Current Sensor



Key Features

- A simple and innovative power management tool for IT and industrial control
- Completely wireless, and no batteries are required
- Works on <380VAC power line, up to 60A
- Clamp to one of the AC power lines (hot or neutral). No wiring is required
- Small size, plug and play, no tools required to operate
- Works with A150 Gateway/Controller
- Supported by cloud-based ARCOS™ management platform
- Cloud-based data storage and display
- Monitors the wire temperature to prevent power wire overheating

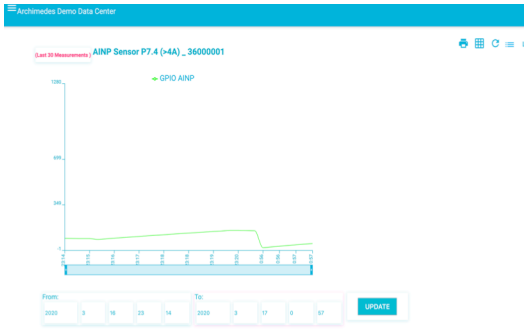
Real time power consumption monitoring is one of the critical power management tasks for today's industries such as data centers, IT rooms, manufacturing, building and facility management, etc. A10 wireless power consumption monitoring sensor is the latest innovation from Archimedes Controls powered by patent pending wireless power and data transmission technologies. This unique device is also supported by ARCOS™ cloud platform and offers a true plug and play, maintenance free power management tool for many environment and applications.

1) **Easy to Use** - Plug and play, clamp on any commercial and residential AC power line. 100% wireless and no batteries are required.
2) **Automatically Measures** – AC current every 15 sec and sends measurement data to ARCOS™
3) **ARCOS™** – A cloud-based management tool for local and remote data access, recording and archiving, warning notification at pre-determined thresholds.
4) **Maintenance Free** – Battery free operation and powered by energy harvesting technology for over 10 years of continuous operation.

Technical Specifications

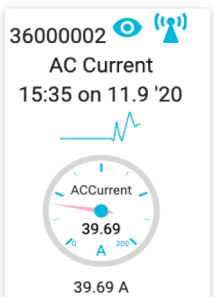
Working Voltage: 1VAC - 380 VAC
Measurement Current: 2.5A – 60A; Accuracy: < ±3%
Measurement Resolution: 0.1A
Maximum transmit distance (outdoor): 100m/328 ft
Measurement Rate: every 15 sec continuously

Wire Temperature Measurement: -20°C to 60°C
Operating Temperature: -20°C to 60°C
Operating Humidity: 0 to 90% RH
Dimensions: 65mm x 32 x 22mm/2.5" x 1.25" x 0.87"
Weight: 60g/2.12oz



Power Consumption Histogram

AC Current Meter



39.69 A



UPS Power Consumption Monitoring