

Wireless electricity sensor family overview



Our electricity sensor series is comprised of non-invasive, self-powered, miniature wireless current sensors. The sensors clamp onto the electrical outgoing wire from the circuit breaker and are self-powered by the circuit's magnetic field. Hundreds of sensors can be installed in a few hours with no disturbance to daily operations. Once installed, the sensors become part of the building infrastructure, never requiring maintenance, service or battery replacement.

PAN-10



PAN-12



PAN-14



Key features

- Non-invasive – snaps and fits without disconnection
- No maintenance; self-powered
- High accuracy
- Wireless – no wiring, unlike standard CT-based monitoring systems
- Real-time current data transmitted every 10 seconds

The PAN-14 high-current sensor attaches to any size standard 0 – 5 A current transformer, allowing measurements at any current range or wire gauge.

Key features

- Connects to any standard 5 A current transformer
- No maintenance; self-powered
- High accuracy
- Wireless sensor and CT are closed around the hot wire with no additional wiring
- Real-time current data transmitted every 10 seconds

PAN-42



The PAN-42 wireless power sensor provides high-accuracy real-time power measurements and advanced power quality measurements for main power monitoring, sub-metering and for the metering of large devices.

Designed for demanding electrical applications, supporting industry accuracy standards, PAN-42 enables the metering of power, voltage, current, power factor and power quality measurement data.

Key features

- Single, dual or 3-phase metering
- Accurate measurement of active and reactive power
- Real-time monitoring of current, voltage, power and power quality
- Easily integrated with PowerRadar™, our cloud-based energy management platform
- Fast and easy installation

Gen 4+ Bridge



Key features

- Plug-and-play installation
- Flexible mounting options
- Wi-Fi/Ethernet connectivity
- Cellular (LTE) connectivity¹
- Store capability in case of network loss
- Field-upgradable firmware
- Initial configuration (built-in web interface)
- Easily integrated with PowerRadar, our cloud-based energy management platform, and 3rd party software using Modbus TCP
- Over-the-air upgrades can be enabled to receive latest bridge firmware automatically from PowerRadar cloud

Energy insights from Centrica Business Solutions provide organisations with unparalleled visibility into their entire energy estate by delivering a wide range of granular and actionable energy intelligence in real-time. Our energy insights solutions consist of Panoramic Power wireless sensors that are easily attached to circuits. The sensors – in combination with integrated 3rd party meters for gas, heat, air and water – transmit data to our Panoramic Power Gen 4+ Bridge. The Gen 4+ Bridge makes this collected energy intelligence available for visualisation and analysis in PowerRadar™, our cloud-based energy management platform. Customers retain the flexibility to use the software of their choice by using the Modbus TCP interface to export and manage the data locally – directly from the Gen 4+ Bridge. A selection of hardware is available to meet organisational requirements.