Panoramic Power's Wireless Power Sensor (PAN-42)

The PAN-42 wireless power sensor provides high accuracy real time power measurements and advanced power quality measurements for main power monitoring, submetering 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.

SPECIFICATIONS	WIRELESS POWER SENSOR PAN-42
Description	4-wire Wye, 3-wire Delta, single-phase 3-wire, single-phase 2-wire, or dual-phase 3-wire • Voltage: [120V / 208V], [240V / 416V], or [277V / 480V] • Frequency: 48-62 Hz • CT current input: standard 0-5 Arms • Current measurement range: Depending on CT ratio • Minimum current (at device input) ≤ 0.05 Arms (1% of full scale)
Outputs	Active Energy (kWh) – accumulated • True RMS Voltage/Current – per phase • Active/Reactive Power – per phase • Power Factor – per phase
Accuracy (for Voltage, Current and Active Energy)	According to ANSI C12.1 (Class 1%)* *Pending certification testing and assuming CT of class 0.5 or better
Transmission Frequency	434 MHz (EU) 915 MHz (US)
Transmission Power (ERP)	0 dBm (Max)
Transmission Interval	10 seconds
Safety and EMC Certificates	USA & Canada Safety: UL-61010-1, UL 61010-2-030, CAN/CSA-C22.2 No. 61010-1 (ETL listed); EMC, Radio: FCC Part 15 subpart B, C Europe Safety: EN-61010-1, EN 61010-2-030 (CE); EMC: EN-ETSI 301489-1, 301489-3; Radio: EN-ETSI 300220-1, 300220-2 CB Certification IEC 61010-1, IEC 61010-2-030 by Intertek Testing Services
Measurements	Dimensions: 110.3 × 81 × 37.2 mm — Weight: 200 g
Mounting Options	Wall mount or DIN top hat rail EN50022 - 35x7.5
Flammability Rating of External Enclosure	UL94 V-0
Operating Temperature	0 – 50° C / 32- 122 F
Storage Temperature	-20 – 65° C / -4-149 F
Display	3 LEDs for phase indications and additional LED for on line status indication.

PAN -42

Key Features

• Single or 3 phase metering

• Accurate measurement of active and reactive power

• Real time monitoring of current, voltage, power and power quality

• Integrated within the Panoramic Power cloud based energy management platform

• Fast and easy installation