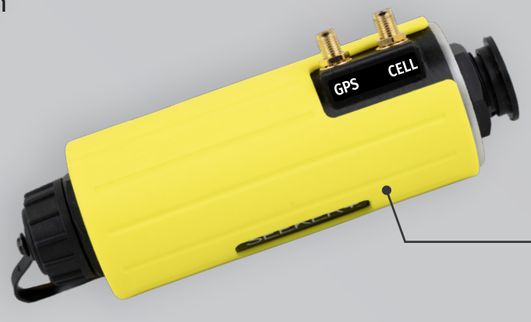
SEEKER +

One device.
The whole story.

The Seeker+ takes on high-speed **sampling with high frequency noise analysis, supraharmonics** monitoring for PV sites, high-speed (1 MHz) **impulsive transient capture,** and **GPS timestamping** to 1 microsecond. Best of all, this versatile and powerful PQ recorder is contained in one small handheld device. This multi-functional tool is ideal for both short-term PQ investigations and also long-term/permanent monitoring.



24/7 MADE IN USA

ppi
www.powermonitors.com
(800) 296-4120

NO SET-UP RECORDING

- Circuit detection
- Automated current-range configuration
- All PQ measures included at the highest resolution

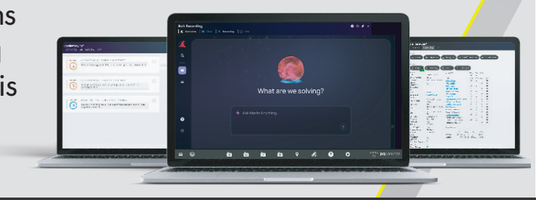
ENDLESS CLOUD STREAMING

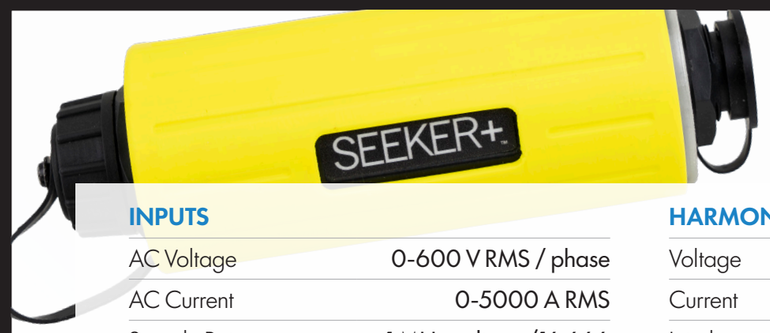
- Captures every PQ metric
- 30-day local capture at the highest resolution

MERLIN™-OPTIMIZED

The AI Assistant built for PQ Canvass

Merlin™ reviews key aspects of PQ data, such as flicker, harmonics, voltage sags, swells and more and provides a detailed, disturbance-focused overview. Use Merlin™ Chat to answer tough technical questions and generation customer facing letters. Merlin™ turns PQ analysis into minutes, instead of hours.





SEEKER +

INPUTS

AC Voltage	0-600 V RMS / phase
AC Current	0-5000 A RMS
Sample Rate	1 MHz voltage (16,666 sample/cycle) 200 kHz current (3,333 samples/cycle

CHANNELS

Voltage	4 channels
Current	4 channels

SAFETY

Designed to IEC 61010-1, 600V CAT IV

TIME SYNC

User-configurable SNTP time synchronization through Ethernet or cell modem. High resolution time stamping w/GPS

PHYSICAL DIMENSIONS

Size	1.86" W x 5.71 " L
Weight	< 1 lb.
Case	NEMA 4X

SOFTWARE

PQ Canvass, PMI View (iOS & Windows)
**not compatible with ProVision*

HARMONICS

Voltage	to the 70th
Current	to the 70th, TRD
Interharmonics	to 70th, 5 Hz spacing
Supraharmonics	from 2 kHz to 150 kHz
Measures	Magnitude, phase, THD, harmonic & interharmonic groups and subgroups

ACCURACY

Voltage	0.33% of full scale
Current	1% of FS w/o probe
Power	1% of FS w/o probe
Phase Angle	1° w/o probe
Power Factor	±0.02 w/o probe
Displacement PF	±0.02 w/o probe

COMMUNICATIONS

Standard Options	WiFi, USB, Bluetooth Low Energy, LTE Cell Modem

INFORMATION STORAGE

Data Storage	32 GB onboard storage, unlimited cloud storage

RECORD SETTINGS

Interval Graphs	Automatic IEEE-compliant intervals, down to 0.5 cycles for all measurement types
Significant Change	1 V to 8 V in 1 V steps
Flicker Settings	User-defined or conform to IEEE 1453, IEC 61000-4-15, IEEE Std. 141
Waveform Capture	Voltage and current threshold, periodic capture, waveshape, IEEE compliant disturbance triggering (including voltage sags, rapid voltage changes)
Transient Capture	Peak Voltage Threshold

ENVIRONMENTAL

Operating Temp	-20°F to 135°F
Humidity	≤ 85%
Shock	60 Hz to 2 KHZ, acceleration 25G
Vibration	10 Hz to 60Hz, amplitude 1.8 mm
Max Altitude	2 km (6560'), derated above 2 km

MEASURED QUANTITIES

RMS Voltage	Volts
RMS Current	Amps
Real Power	Watts
Apparent Power	VAs
Reactive Power	VARs
Phase Angle	Degrees
Symmetrical Components	Volts, Amps
Power Factor	Watts/VA
Displacement PF	cos (phase angle)
TIF	weighted index
K-Factor	ratio
Power Usage	kWh, kVARh, kVAh

POWER FAIL OPERATION

5 minutes with super capacitor ride through for recording

POWER SUPPLY REQUIREMENTS

Voltage	60-600 VAC Channel 1 to Common (47-63 Hz)
Power Consumption	5 Watts max

ANALYZING PQ DATA

Turn **5 Hours** into **15 Minutes**

1 PMI View (iOS)

Turn an iOS device into a handheld interface for any PMI PQ instrument. Pull data off the device in the field, then push it to PQ Canvass for full analysis.

2 PQ Canvass

A robust power quality analysis platform for desktop or phone. It handles the complicated details so you can focus on the findings, work faster, and cut costs.

3 Merlin™

The AI assistant in PQ Canvass. Merlin™ analyzes your PQ data, surfaces what's important, and ranks events by severity. Chat with Merlin™, your PQ consultant, to generate reports and customer-facing letters, turning hours of analysis into minutes.