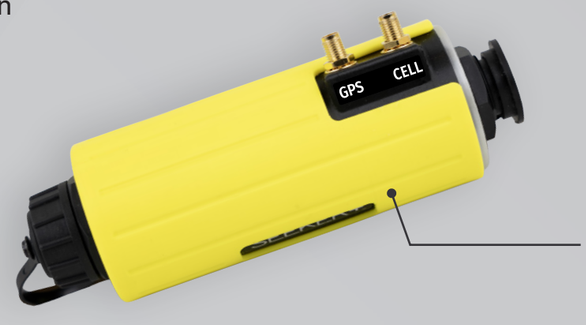
SEEKER +

INSTRUMENTS TECHNO TEST

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.



NO SET-UP RECORDING

- Circuit detection
- No need to select a current range
- All PQ measures included at the highest resolution

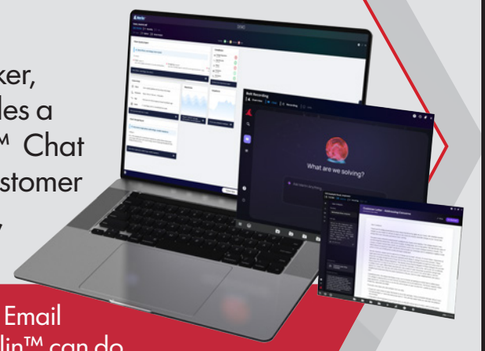
ENDLESS CLOUD STREAMING

- 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 generate customer facing letters. Merlin™ turns PQ analysis into minutes, instead of hours.

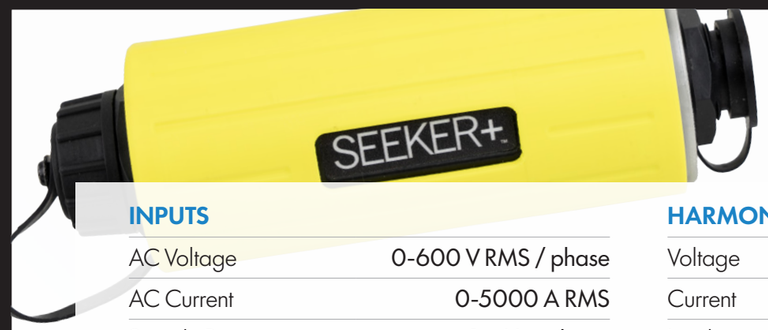


Have a PQ question? Ask Merlin™—free, no software required. Email questions to **askmerlin@powermonitors.com** and see what Merlin™ can do.

www.powermonitors.com

(800) 296-4120

WWW.POWERMONITORS.COM • (800) 296-4120 • SALES@POWERMONITORS.COM • 24/7 TECH SUPPORT • MADE IN THE USA



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

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

RECORD SETTINGS

Interval Graphs	Automatic IEEE-compliant intervals, down to 0.5 cycles
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

COMMUNICATIONS

Standard Options	WiFi, USB, Bluetooth Low Energy, LTE Cell Mode, Ethernet Adapter

INFORMATION STORAGE

Data Storage	32 GB onboard storage, unlimited cloud storage

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.