esp | **AMETEK**®
ELECTRONIC SYSTEMS PROTECTION

Touchboards
205 Westwood Ave, Long Branch, NJ 07740
Phone: 866-94 BOARDS (26273) / (732)-222-1511
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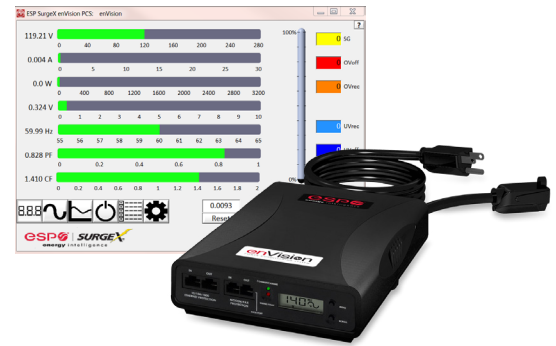**Power Protection + Diagnostic Intelligence**

enVision®
POWER CONDITIONING SYSTEM

Unsurpassed power protection and analytics
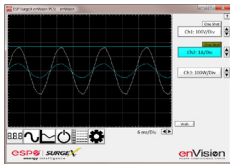## that reduce service costs and downtime.

The enVision PCS combines the most advanced power protection technology available with unsurpassed analytics that monitor, identify, and offers solutions to resolve power issues that can impact the profitability of service teams.

Featuring state-of-the-art diagnostic software and an integrated scope meter, service teams will be able to monitor power disturbances, record time-stamped events, customize equipment voltage settings, and analyze electrical data via multiple display and communication modules. It is the only software that identifies the potential cause of power issues and offers solutions to resolve them. When combined with the ESP Remote Portal module, the data is available remotely via any IP enabled device and alerts service teams that a problem has been detected.

The enVision PCS also includes patented Multi-Stage power protection and conditioning that includes Cat 6 network and ground fault protection to ensure connected equipment is safeguarded.

Features:

- Identifies preexisting power conditions, provides an instant analysis of data and offers resolutions to resolve issues
- Integrated scope meter
- Multi-Stage power protection and conditioning technology
- Lowers service costs, ensures fault-less installs, and improves customer uptime
- Measures neutral to ground voltage, crest factor, power factor, and line frequency metrics
- Records power and energy usage
- Internal battery to provide accurate data and time stamps, even during power outages
- Built-in LCD screen to provide easy access to recorded events, parameters and settings
- Integrates with multiple communication platforms, including: TCP-IP, Zigbee, Cellular, Wi-Fi, and Bluetooth

Model Number	Plug Configuration		Description
	Input	**Output**	
EV-12015	NEMA 5-15P	(3x) NEMA 5-15R	Diagnostic Power Conditioning System + Scope Meter, 120V/15A 1 Pigtail + 2 Receptacles, Diagnostic software included
EV-12020	NEMA 5-20P	(1x) NEMA 5-20R (2x) NEMA 5-15R	Diagnostic Power Conditioning System + Scope Meter, 120V/20A 1 Pigtail + 2 Receptacles, Diagnostic software included
EV-20815	NEMA 6-15P	(1x) NEMA 6-15R	Diagnostic Power Conditioning System + Scope Meter, 208V/15A 1 Pigtail, Diagnostic software included
EV-20820	NEMA 6-20P	(1x) NEMA 6-20R	Diagnostic Power Conditioning System + Scope Meter, 208V/20A 1 Pigtail, Diagnostic software included
EV-23010	IEC	(2x) IEC C13	Diagnostic Power Conditioning System + Scope Meter, 230V/10A 1 IEC Plug + 2 IEC Receptacles, Diagnostic software included
RP-IP	5V, 500mA, USB Mini	(1) RJ45 Server Port	Allows remote IP access to ESP diagnostic software, RJ25 6p6c Standard Pinout

enVision®
POWER CONDITIONING SYSTEM

$15 billion is lost each year due to power quality issues.
Don't let power problems impact your service profitability.

Premium diagnostic technology, improves the capabilities of your service department

Measures:
- Line-Neutral voltage
- Neutral-ground voltage
- Amperage
- Power
- Crest factor
- Power factor
- Line frequency
- Energy usage

Records Events:
- Over/under voltage
- Surges
- Power outages
- Shut off events

Customizes:
- Over and under voltage
 - Shut off levels
  - Recording levels
  - Restore levels

Displays:
- Wiring faults
- Electrical parameters
- Power disturbances and outages
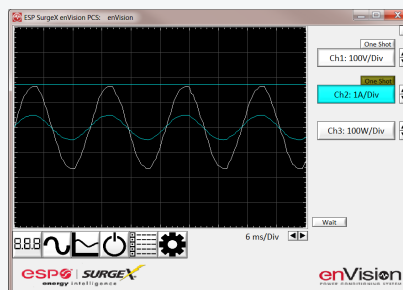- Abnormal conditions
- Outlet status
- User controls

Offers Solutions
- Check for abnormal load, correct as necessary
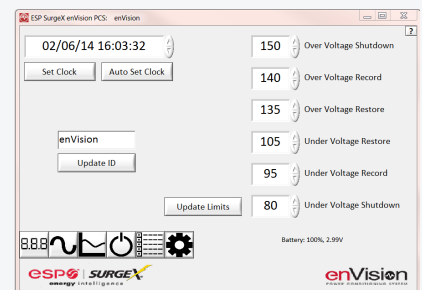- Check for excessive N-G voltage, contact qualified electrician

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Sophisticated software, gives service teams a comprehensive troubleshooting solution
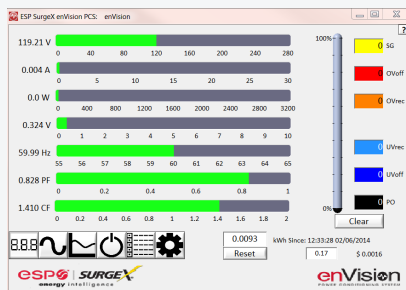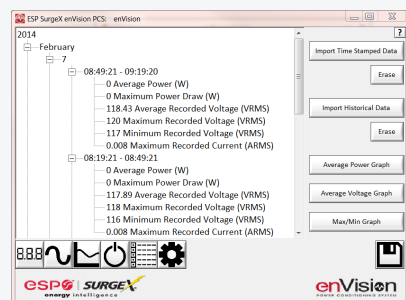

Real-time digital multi-meter

Real-time scope meter

Over/under voltage customization

Historical electrical parameter summary

Time-stamped power anomaly reports
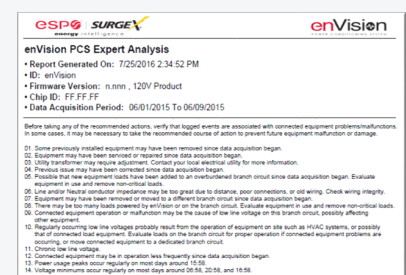
Identifies issues and proposes solutions

Multiple display and communication modules, puts you in control

- Integrated scope meter
- LCD event notifier and interface on the unit
- Additional communication capabilities available
  - TCP-IP allows integration with MFP platforms
  - RCC accessory available for remote monitoring

Professional-grade ESP power protection and conditioning system, protects connected equipment

- Multi-Stage Power Protection
- Electrical Noise Filtration
- Over/Under Voltage Protection
- Cat 6 network protection
- Telephone line protection
- Wiring Fault Protection