Written by Marco Attard
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The ESP/SurgeX ISE 2016 stand features Envision-- a power diagnostics system allowing installers to measure and record power conditions through detailed data in live or date-stamped reports.

Described as "the ultimate troubleshooting tool," Envision provides energy data one can use to accurately identify the source of common electrical issues first time around. It comes in 230V/10A (EV-23010 IC) and 230V/16A (EV-23016 IC) configurations and features real-time diagnostic software together with an integrated scope meter.

Installers can use Envision as a pre-installation "electricity health meter" to identify and fix power issues before any installation. It can also be left onsite to analyse and record power anomalies in real-time, with the ESP/SurgeX Remote Portal providing 24/7 recording of all power conditions without need for site visits.

Power data measured includes line-neutral voltage, neutral-ground voltage, amperage, crest factor, power factor, line frequency and energy usage. It also records specific times and dates of over/under voltages, surges, power outages and shut-offs, and the data is presented via either live interface or downloadable reports.

As for communications, the device is ZigBee, 3G, wifi and Bluetooth compatible.

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