



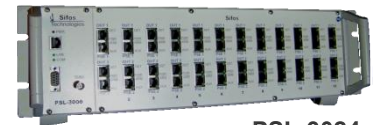
# PSA-3000 vs. PSL-3000

## PowerSync® Analyzer Family

IEEE 802.3at Power over Ethernet

### Shared Features

- ❑ PSE Continuous Static Loading to 42 Watts / Port
- ❑ Configure 2 to 24 Test Ports
- ❑ Layer 2 LLDP Emulation & Analysis / Port
- ❑ PSA Interactive Graphical User Interface
- ❑ PowerShell PSA Automation Scripting (Tcl based)
- ❑ Multi-Port Suite: Live PD Emulation & Multi-Port Test Suite
- ❑ 4-Pair PSE Loading to 95 Watts / Port x 12 Ports
- ❑ Certified Commercial Test Equipment (CSA, CE, FCC)



PSL-3024

### PSA-3000 / PSL-3000 Comparison

Feature	PSA-3000	PSL-3000
802.3at PSE Conformance Test Suite	Available	<i>Not Available</i>
PSE LLDP Emulation & Protocol Traces	Available	Available
802.3at Multi-Port Test Suite Support, Type-1, Type-2, Type-1+2 Emulations	9 Tests (includes Transient Reserve and Multi-Port Timing analysis)	8 Tests
Multi-Port Live 802.3at PD Emulation	Available	Available
High Throughout PSE Verification Script & Automation Template	8 Behaviors + LLDP + Timing, < 15sec/Port	8 Behaviors + LLDP < 30sec/Port
Diagnostic Waveforms for 802.3at PSE's	Available	<i>Not Available</i>
4-Pair PSE Loading and DC Metering	Available	Available
4-Pair PSE Diagnostic Waveforms and Triggered Metering	Available	<i>Not Available</i>
PoE Service Monitor Application	Available	<i>Not Available</i>
Programmable Interface Modes	ALT-A / ALT-B, MDI / MDI-X, 4-Pair	Same as PSA-3000
Detection Signature Range	9KΩ – 39KΩ, 0.1 – 11 μF	Same as PSA-3000
Class & Active Load Range, Resolution	0 – 750 mA, 0.25 mA	0 – 750 mA, 1 mA
Mark Load Range, Resolution	0 – 400mA, 0.25 mA	<i>Not Available</i>
Transient Load Range (2 steps)	0 – 2000 mA step 1, 0 – 750 mA step 2	<i>Not Available</i>
Transient Load Duration Range	200 μsec – 1 sec per step	<i>Not Available</i>
Waveform Triggering Range, Resolution	Rising / Falling, 0 – 60 V, 0.125V	<i>Not Available</i>
Event Triggers	Connections, Load Changes, Transients	<i>Not Available</i>
DC Voltmeters (0 - 60VDC)	Average DC, Min/Max Peak, Scope Waveform	Average DC
DC Current Meters (0 - 1023 mA)	Average DC, Min/Max Peak, Scope Waveform	Average DC
DC Meter Triggering	Immediate, Waveform, or Event	Immediate only
DC Meter Integration Range	1,2,5 steps from 10 msec to 10 sec	100 msec or 1 sec
AC Peak Voltage Metering	0 – 4 Vpp, .05μF Load, Low Band (0 – 500Hz) High Band (5 – 300KHz)	<i>Not Available</i>
Time Interval Metering	6 μsec to 16 sec	<i>Not Available</i>
Time Interval Triggering	Edge to Edge, Event to Edge	<i>Not Available</i>