

## NEWS ADVISORY

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### Intertek ETL SEMKO Now Offering SEMI F47 Testing

*Portable Industrial Power Corrupter (IPC) Allows For Testing On-site at Semiconductor Equipment Manufacturing Locations*

Intertek ETL SEMKO, a global leader in testing, inspection and certification services, now offers SEMI F47 testing, which is the voltage sag immunity standard used in the semiconductor equipment manufacturing industry. Intertek's portable Industrial Power Corruptor allows testing to be performed on-site at client locations, allowing manufacturers to avoid shipping large and fragile equipment, saving time and money. IPC equipment specifications, capabilities and applicable standards are outlined below:

#### Industrial Power Corruptor Specifications:

Input power

- 100-480 Vrms, 50 A continuous, 50-60 Hz
- Single phase, 3 phase wye or delta

Phase to phase / phase to neutral sags

- Sag magnitude: 0%-125% in 2.5% steps
- Sag duration: 0.1 cycle to 34 seconds in 0.1 cycle increments
- Phase angle synchronization: 0-359 degrees in 1 degree steps

3-phase dropouts

- Duration: 0.3-34 seconds
- Phase angle synchronization: 0-355 degrees in 5 degree steps

#### Measurement Capabilities:

- 13 internal voltage channels
- 6 internal current channels
- 3 internal protective earth channels
- 3 +/- 600 V (AC or DC) external inputs
- 6 +/- 100 V (AC or DC) external inputs
- External inputs may also be used with clamp-on transformers for current measurements
- All measurements are synchronized to sag event, or may be used separately.

#### Test Standards:

Including, but not limited to:

- SEMI F47
- IEC 61000-4-11
- IEC 61000-4-34
- SEMI E6 (using power flow analysis package)

#### Intertek ETL SEMKO

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# Intertek ETL SEMKO

Intertek Group plc (FSE: ITRK), an international testing, inspection and certification organization, operates in over 850 laboratories and offices with 15,500 people in more than 100 countries around the world. The company assesses customers' products and commodities against a wide range of safety, regulatory, quality and performance standards and in some cases, certifies the management systems of customers. See [www.intertek.com](http://www.intertek.com) for more information.

The ETL SEMKO division of Intertek provides access to global markets through its local services, which include product safety testing and certification, EMC testing and performance testing for customers in such industries as wireless technology, security, appliances, HVAC, cables and wiring accessories, industrial machinery, medical devices, telecommunications, lighting, automotive, semiconductor, building products and electronics. ETL SEMKO's Global Semiconductor Safety Services (GS3) business unit provides risk management-based equipment safety services to support a broad range of safety needs specific to semiconductor equipment and device manufacturers, including SEMI S2. For more information on the ETL SEMKO division of Intertek visit [www.intertek-etlsemko.com](http://www.intertek-etlsemko.com).

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