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# Certificate of Conformity

## IEC 61000-4-30 Class A

**ELSPEC 4400 series (443x/442x/441x) and 4500/3500 series**

**IEC 61000-4-30 Ed. 2**  
 230V, 50/60 Hz, L-N  $U_{din}$

61000-4-30 Section	Power Quality Parameter	Class A Compliance	Class S Compliance	Class B Compliance	Remarks
5.1	Power frequency	Yes	Yes	Yes	
5.2	Magnitude of the supply voltage	Yes	Yes	Yes	
5.3	Flicker	Yes	Yes	(N/A)	
5.4	Supply voltage dips and swells	Yes	Yes	Yes	
5.5	Voltage interruptions	Yes	Yes	Yes	
5.7	Supply voltage unbalance	Yes	Yes	Yes	
5.8	Voltage harmonics	Yes	Yes	Yes	
5.9	Voltage interharmonics	Yes	Yes	Yes	
5.10	Mains signaling voltage	-	-	-	See Note 1
5.12	Underdeviation and overdeviation	Yes	(N/A)	(N/A)	
4.4	Measurement aggregation intervals	Yes	Yes	Yes	
4.6	Time-clock uncertainty	Yes	Yes	Yes	
4.7	Flagging	Yes	Yes	(N/A)	
6.1	Transient influence quantities	Yes	(N/A)	(N/A)	

(N/A) – Not Applicable. There is no requirement in the Standard.  
 Note 1: The Elspec G4K series are not mains signaling meters.

This certificate summarizes the results of the PSL IEC 61000-4-30 Power Quality Measurement Methods Compliance Report, document # PSL ELSPEC-005-30, dated 17 August 2010. PSL tested two samples, Model G4420 S/N 00-60-35-03-46-96 and Model G4500 S/N 00-60-35-0B-96-D6 at 230VAC, 50/60 Hz. Manufacturer states that these samples are representative of the ELSPEC 4400 (443x/442x/441x) and 4500/3500 series.



Left: ELSPEC G4420  
 Right: ELSPEC G4500

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