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## Phantom Power Testing with MR-PRO

**A missing output signal of a microphone is commonly caused by turned off or defective phantom power supply. The signal generator MR-PRO exactly traces such microphone power supplies and measures the individual phantom voltage at the XLR connector pin 2 and pin 3.**

The Minirator MR-PRO reads the actual effective phantom power voltage with or without load. For example by connecting the MR-PRO directly to the microphone input of the mixing desk, it displays the actual phantom power at pin 2 and pin 3 at no load conditions.

### Microphones with best voice signal quality

Full load conditions may be simulated with the help of a special "Y" test adapter. Thus in a second measurement, the loaded phantom voltage stability is measured according the corresponding standard IEC1938. This ensures that the phantom power supply is sufficient up to the maximum level, which supports best voice signal quality later on stage.

The technical background information on phantom power testing according the standard IEC1938 is summarized together with detailed measurement instructions in the application note "Phantom Power Testing with the MR-PRO" available for download at [www.nti-audio.com](http://www.nti-audio.com).

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#### NTI at:

1.-4. April 2009  
Pro Light + Sound  
Frankfurt, G  
Booth #8.H05

17. - 19. June 2009  
Infocomm  
Orlando, Florida



## **About NTI**

NTI AG develops highly qualified and customized measurement solutions for the Pro-Audio and telecommunications industry. NTI's main product lines are the Minstruments, the A-Series audio analyzers, the RAPID-TEST production line test systems as well as complete turnkey tests solutions based on PureSound – a unique defects analysis technology. The headquarters of NTI are in the Principality of Liechtenstein (Europe). Subsidiaries are NTI Americas Inc in Portland, NTI China in Suzhou and NTI Japan in Tokyo.

## **Information for Journalists:**

1. Hi-res product pictures are available for download at the NTI website - press area:  
[www.nti-audio.com/tabid/220/Default.aspx](http://www.nti-audio.com/tabid/220/Default.aspx)
2. Evaluation units for journalists are available on request.  
Please contact us by mail: [support@nti-audio.com](mailto:support@nti-audio.com)