Press Release

15th September 2010

New low-frequency E-H field analyser is ideal for measurements near power lines

The new EHP-50C field analyser from Link Microtek provides an ideal means of taking accurate measurements of low-frequency electric and magnetic fields such as those found near power transmission lines or electric railway lines.

Manufactured by Narda Safety Test Solutions, this compact instrument is designed for isotropic field measurements over frequencies from 5Hz to 100kHz and achieves a dynamic range of greater than 140dB. Built-in FFT spectrum analysis capability enables the user to measure only the contribution from a selected source, e.g. a high-voltage line, excluding other nearby disturbing frequencies.

Using the interference-free fibre-optic link supplied, results recorded by the EHP-50C can be displayed in real time either on a PC or on the optional 8053-Display unit. The EHP-50C also offers a stand-alone mode, which enables it function as a data logger for 24 hours, taking measurements every 30 or 60 seconds and then stopping automatically.

The instrument can handle electric fields as high as 100kV/m with a sensitivity of 0.01V/m and magnetic fields up to 10mT with a sensitivity of 1nT.

Powered by NiMH rechargeable batteries, the EHP-50C provides up to 10 hours' use in normal mode, at least 24 hours in stand-alone mode or up to 150 hours in low-power mode. It weighs just 525g and accommodates all the field sensors and measurement circuitry in a robust housing only 92 x 92 x 109mm in size.

The field analyser is supplied as standard with a variety of accessories, including a 10m-long fibre-optic link, EHP-50C Logger PC software, battery charger, plastic pole, mini tripod, operating manual and carrying bag.

LM299

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