

## **New Fluke MDA-510 and MDA-550 Motor Drive Analyzers simplify complex motor-drive troubleshooting**

MDA-500 Series feature guided test set-ups and automated measurements

Fluke has introduced two new motor drive analysers to simplify complex motor-drive troubleshooting. The portable Fluke MDA-510 and MDA-550 Motor Drive Analyzers save time and eliminate the hassle of setting up complex measurements, while simplifying the troubleshooting process. Guided graphical test set-ups show where to make connections and a built-in report generator provides records of actions taken. For more information about these two inverter type motor-drive test tools, visit [www.fluke.co.uk/MDA-5XX](http://www.fluke.co.uk/MDA-5XX).

The Fluke MDA-510 and MDA-550 Motor-Drive Analyzers save time and simplify the troubleshooting process for variable frequency drives. The user selects a test and the step-by-step guided measurements show where to make voltage and current connections, while the preset measurement profiles ensure the capture of all the data needed for each critical motor-drive section - from the input to the output, the DC bus, and the motor itself. From basic to advanced measurements, the MDA-500 Series provides the solutions, and with a built-in report generator as-found, and as-left reports can quickly and easily be generated with confidence.

The MDA-510 and MDA-550 are the ideal portable motor-drive analysis test tools and can help safely locate and troubleshoot typical problems on inverter type motor-drive systems. They can:

- **Measure key motor-drive parameters** including voltage, current, DC Bus voltage level and AC ripple, voltage and current unbalance and harmonics (MDA-550), voltage modulation, and motor shaft voltage discharges (MDA-550).
- **Perform extended harmonics measurements** to identify the effects of low and high order harmonics on the electrical power system.
- **Conduct guided measurements** for motor-drive input, DC bus, drive output, motor input and shaft measurements (MDA-550) with graphical step-by-step voltage and current connection diagrams.
- **Use simplified measurement setup** with preset measurement profiles to automatically trigger data collection based on the chosen test procedure.

- **Create reports quickly and easily** that are perfect for documenting troubleshooting and collaborative work with others.
- **Measure additional electrical parameters** with the full 500MHz oscilloscope, meter and recording capability for a complete range of electrical and electronic measurements on industrial systems.

Information about all Fluke products can be obtained via the Fluke web site at [www.fluke.co.uk](http://www.fluke.co.uk).

Notes:

Fluke's mission is to be the world leader in compact, professional electronic test tools. The company's products are used by technicians and engineers in service, installation, maintenance, manufacturing test, and quality functions in a variety of industries throughout the world. Fluke, founded in 1948, currently has offices in 13 European countries and distributes its products to over 100 countries internationally. The company's European revenues contribute approximately 40% of worldwide sales. Fluke's headquarters are located in Everett, Washington State and the company employs over 2,500 people internationally. Its European sales and service headquarters are located in Eindhoven, The Netherlands.

Visit Fluke's Web site at <http://www.fluke.co.uk>

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