

## PRESS RELEASE

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### **New 16-channel temperature input module extends electromechanical testing capabilities of Yokogawa DL850 ScopeCorder**

A new 16-channel temperature/voltage plug-in input module for the Yokogawa DL850 ScopeCorder has been added to the range of electrical and physical input modules available for this versatile instrument.

The new module extends the electromechanical testing capabilities of the DL850 ScopeCorder by allowing it to be used for a wide range of applications where parameters such as voltage and current need to be measured simultaneously with physical parameters such as temperature.

The new 16-channel temperature/voltage input module and its external scanner box will find use in many electromechanical processes where temperature change or heating is expected and needs to be monitored along with electrical parameters and physical ones such as pressure and strain. By configuring the ScopeCorder with multiple input modules, a portable measuring device with up to 128 channels can be configured to suit any R&D, service or maintenance task. Typical applications include tests on domestic electrical appliances, inverters and electric drives.

Up to 16 channels of temperature or DC voltage data can be measured by the input module, with the thermocouple or electrical connection being provided by a screw terminal on the

external scanner box. The input terminal blocks contain the reference junction compensation circuitry and are isolated from ground. Isolation is also provided between channels within the input terminal block.

Excellent noise rejection is provided by using a delta-sigma analogue/digital converter which uses oversampling and digital filtering technologies to eliminate noise.

The Yokogawa DL850 ScopeCorder is a versatile instrument that combines the benefits of a high-speed oscilloscope and those of a traditional data acquisition recorder in a single, portable instrument.

The instrument features high-speed acquisition - up to 100 megasamples per second - over up to 128 channels, the ability to carry out real-time recording, a powerful user interface, and a comprehensive range of PC interfacing capabilities for wider functionality and ease of use. A key feature for electrical measurements is the isolated input module which, when combined with the 100 MS/s acquisition speed and the 12-bit resolution, makes the DL850 ideally suited to measurements on high-speed switching inverters.

The new plug-in module brings the total number of measurement modules available for the DL850 and DL850V ScopeCorders to seventeen.

For further information about the DL850 and DL850V visit [www.tmi.yokogawa.com](http://www.tmi.yokogawa.com)

## **About Yokogawa Test & Measurement**

Yokogawa Test & Measurement Division is a major worldwide force in the test & measurement market, with products that include oscilloscopes, power meters, wireless and optical communications test equipment, portable test instruments, recorders and data-acquisition systems, and semiconductor-related test systems. For more information about Yokogawa Test & Measurement, please visit the company's web site at <http://tmi.yokogawa.com/>

## **About Yokogawa**

Yokogawa Corporation of America is the North American division of Yokogawa Electric Corporation and a key part of Yokogawa's global network of 25 manufacturing facilities and 80 companies spanning 54 countries. Since its founding in 1915, the US \$3 billion company has

been engaged in cutting-edge research and innovation, securing more than 7,200 patents and registrations, including the world's first digital sensors for flow and pressure measurement. Industrial automation and control, test and measurement, information systems and industry support are the core businesses of Yokogawa. For more information about Yokogawa, please visit our website [www.yokogawa.com/us](http://www.yokogawa.com/us)

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