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PRESS RELEASE

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Yokogawa Meters & Instruments Releases 2560A Precision DC Calibrator

Yokogawa Meters & Instruments Corporation announces that it has developed the 2560A Precision DC Calibrator and will release this product today. The 2560A is a high precision instrument capable of outputting a wide range of DC voltage and current for calibration of analog meters, thermometers, and temperature controllers that use a thermocouple or Resistance Temperature Detector (RTD).

Development Background

Analog meters, thermometers, and other measuring instruments require periodic calibration to maintain their accuracy. It can be very time-consuming and expensive, however, to send an instrument back to the manufacturer or to other service providers for calibration. In some cases, it is very efficient for some companies to use a high-precision voltage/current standard or calibrator that will allow them to perform this work in house. Since the 1970s, Yokogawa has been a leading provider of measuring instruments with the high level of precision required for use as standards in the calibration of voltage, current, resistance, pressure, and temperature instruments.

In recent years, there has been a rise in demand for DC voltage and current measurement as the result of increased use of direct current in data centers to avoid the power losses caused by AC/DC conversion, and more DC motors have been selected mainly for use as car electric components. With these backgrounds, the demand for DC ammeters that can measure large currents and calibrators for those ammeters are increasing. However, when calibrating the direct current output over 20A, customers may need to combine other instruments that can output 20A or higher using an expensive current amplifier.

2560A is specialized for DC voltage/current generation, and thus, can generate high DC voltage/current output alone with high accuracy and high stability at low cost. In addition to having the same excellent ease-of-use as our previous model, the 2560A delivers substantially improved performance. By leveraging the measurement technologies that it has developed over the years, Yokogawa will strengthen its line-up of calibrators and standard signal generators, and thus, expand its high-precision measuring instrument business.

Product Features

The 2560A Precision DC Calibrator is an accurate and low-cost calibrator that can output DC voltage over 1200 Volts and DC current over 36 Amps alone. In addition to being able to calibrate analog meters, the 2560A can calibrate thermometers and temperature controllers that utilize a thermocouple or RTD. The key features of this product are as follows:

1. High accuracy with large DC voltage/current output

By specializing for DC voltage/current generation, and refining the built-in functions, 2560A kept its price low and achieved the following high performances. It can be used for applications that require high accuracy and stability.

DC voltage output range: ±1,200V DC current output range: -12A to +36A
Accuracy: ±50 ppm* for voltage (180 days in 1V range)
±70 ppm for current (180 days in 1 mA range)
Stability: ±10 ppm (1 hour in 1V range)
*parts per million

2. Ease-of-use

The 2560A is easy to operate, having a dedicated output setting dial for each digit in the numeric display, and a dial for selecting voltage output, current output, temperature calibration,

and other functions. Furthermore, it supports various communication interfaces (GPIB, USB, and Ethernet). As its weight is approximately 13 kg, 60% less than the previous model, portability has been improved.

3.Versatile
The 2560A can calibrate many different types of thermometers and temperature controllers, and is compatible for use with all 10 thermocouple types, as well as the platinum 100 (pt100) RTD specified by the International Electrotechnical Commission (IEC).

Major Target Markets
-Calibration institutes and calibration maintenance service providers
-Measuring instrument manufacturers
-Electric utilities and power plants

Applications
-Analog meter development, production line testing, and calibration
-Development, production line testing, and maintenance of thermometers, temperature controllers

About Yokogawa Corporation of America
Yokogawa Corporation of America (http://yokogawa.com/us) is a leading provider of Industrial Automation and Test and Measurement solutions. Combining superior technology with engineering, system integration, project management, and maintenance services, Yokogawa delivers field-proven operational efficiency, safety, and reliability. Yokogawa Corporation of America is headquartered in Sugar Land, TX, and is the North American Division of Yokogawa Electric Corporation's global network of 25 manufacturing facilities and 4 regional project engineering centers.

About Yokogawa
Yokogawa's global network of 88 companies spans over a total of 56 countries. Founded in 1915, the US$3.5 billion company engages in cutting-edge research and innovation. Yokogawa is active in the industrial automation and control (IA), test and measurement, aviation, and other business segments. The IA segment plays a vital role in a wide range of industries including oil,

chemicals, natural gas, power, iron and steel, pulp and paper, pharmaceuticals, and food. For more information about Yokogawa, please visit our website www.yokogawa.com.