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KYOWA NEWS.....

Jost's Engineering Co Ltd., an organization well over 100 years in India representing some of the world class overseas companies in providing Test & Measurement Solutions, is pleased to announce addition of one more Principal from Japan – Kyowa Electronic Instruments Co Ltd.,

Kyowa are the pioneers in Japan in manufacture of Strain Sensing and Instrumentation products since 1949, and diversified later into manufacture of other strain based Transducers like Load Cells, Pressure Sensors, Torque and Displacement Transducers and related measuring instruments, data loggers, data analyzers and data recording/processing systems. These high-technology products have been contributing to the technological development in experimental research, production, process control and engineering in a variety of fields including shipbuilding, machinery, railroads, automobiles, aerospace, ocean development, dams, nuclear, energy development, urban civil engineering, disaster prevention, healthcare, biomechanics, chemicals, metals, etc.

1) Strain Gages:

A Strain Gage detects a minute dimensional change (Strain) as an electric signal. By measuring strain with the gage bonded to the material or structure, the strength or safety will be known. The Strain gages are available in different types like General purpose Foil gages, Water proof gages, Gages for Concrete, Composite materials/plastic, Semiconductor gages for ultra-small strain measurement, Encapsulated(weldable)type gages for very high temperatures, High & Low Temperature Foil Gages, High elongation Gages, and, related Accessories like Adhesive & bonding elements, tool kits, Spot Welder, Gage Terminals, Coating Agents and Other Accessories.



2) Transducers:

Strain Gage based Transducers like Load cells, Pressure, Torque, Displacement Sensors and Accelerometers are designed to measure physical variables such as load, force, pressure, acceleration, vibration, displacement and torque into electric signals by using strain gages as sensing elements. Use of strain gages as sensing elements makes the transducers compact & lightweight while ensuring least mechanical displacement and superior linearity due to simple structure. Load cells are used to detect compressive or tensile force; Pressure transducers to detect water, oil or air pressure; Acceleration transducers to detect impact or vibration acceleration; Displacement transducers to detect displacement in various loading tests and materials tests; Torque transducers to detect torque such as twisting force of a rotating object; Transducers for Automotive tests; Civil engineering and architectural transducers to measure soil pressure, stress, pore pressure, etc.



3) Measurement Systems: Amplifiers, Data Loggers, Data Recorders and Analyzers:

EDX-100A & EDX-200A: Universal Recorders

- High Speed Sampling upto 100kHz.
- Channel Configuration 16, 32...256.
- Capable of measuring Strain, Voltage, Acceleration, Thermocouple, CAN Data.
- Compact, Lightweight, Vibration and Shock resistant.
- Suitable for Road Load as well as laboratory applications.



EDX-10 Series: Compact Recording System

- 4 Channel unit, stackable upto 16 channels.
- Sampling Frequency upto 20kHz.
- Capable of measuring Strain, Voltage, Acceleration, Thermocouple
- Powered through USB of PC/Laptop for 1 unit of 4 channels.
- Suitable for laboratory applications.



PCAS-1000A: Printed Circuit Assembly Stress Measurement Unit

- Printer Circuit Board Strain Measurement in accordance with IPC/JEDEC-9704A.
- Very user friendly, even a beginner can easily perform measurement.



DIS-7000 - Crash Test Data Acquisition System:

- Compact, Lightweight
- One Sensor Module of 24 Channels.
- Cascaded upto 168 channels on a size of A4 sheet approx. weight 9Kg.
- High Impact Resistant – 100G able to withstand Vehicle Crash Testing Environment.
- Airbag Timer and CAN modules also available.



Applications:

- Automotive
- Aerospace
- Railways
- Electronic Engineering
- Energy, Production Plants/Machinery
- Research Institutes and Educational Institutions
- Electric, Electronic and Precision Instrumentation
- Civil Engineering and Construction



Since 1907

Jost's Engineering Company Limited

Plot no.3, Survey no.126, Paud Road, Pune 411038. Phone: +91 20 25434350/90. Fax: +91 20 25434393. E-mail: salespune@josts.in Website: www.josts.com

Branches: Bangalore: 080-22263707, Baroda: 0265-2351642, Chennai: 044-26268536, Kolkata: 033-22429510, Mumbai: 022-22661150, Secunderabad: 040-27714934, New Delhi: 011-45676000