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Press Release

Introducing: A Powerful and Flexible I/O All-rounder

The new ES930 Multi-I/O Module by ETAS is a compact, rugged, and powerful measuring module featuring numerous input and output channels. It is designed for a variety of applications in rapid prototyping, testing, and calibration.

Augmenting the functionalities of the ES910 Rapid Prototyping and Interface Module, the ES930 Multi-I/O Module can be deployed with a view to controlling and analyzing sensors and actuators directly from within a given function model (Simulink[®], ASCET, AUTOSAR, C-Code). Moreover, the ES930 serves as an extremely compact measurement module, or for controlling additional hardware at the test bench.

Interconnecting the ES910 Rapid Prototyping Module and ES920 FlexRay Module with the ES930 Multi-I/O Module opens up a broad spectrum of options for systems requiring access to ETK, XETK, FlexRay, CAN, and LIN, along with concurrent access to all current analog and digital systems.

All in all, the ES930 Multi-I/O Module features 4 thermal inputs, 8 analog and 4 digital inputs. On the output side, the module provides 4 analog and digital outputs, 6 half-bridges with current measurement, as well as 4 sensor power supplies. All configurations can be defined for each channel.

In the event that the number of available channels does not suffice, it is natural for several modules to be cascaded. In cases where a testing instrumentation calls for

more signal types, such as lambda, the ETAS ES4xx/ES63x measurement modules are easily inserted. The fact that the modules of ETAS measurement technology use Ethernet connectivity is one reason for its high performance.

The frequently required power output stages, e.g., for controlling actuators such as valves or electric motors, are integrated in the module via half-bridge switches, which dispenses with external signal conditioning.

By configuring the ES930 Multi-I/O Module, the digital input signals can form the basis for defining event rasters for the purpose of the synchronous acquisition of input data and triggering model functions onboard the rapid prototyping module.

With all of these functions, the new ES930 Multi-I/O Module is a powerful, flexible I/O all-rounder with an excellent price/performance ratio.



Figure: A true I/O all-rounder – the ES930 Multi-I/O Module from ETAS.

ETAS

ETAS GmbH was founded in 1994 as a subsidiary of Robert Bosch GmbH. Following the acquisition of Vetronix Corporation in Santa Barbara, USA, as well as the establishment of foreign subsidiaries, we today employ 680 personnel in Germany, United States, Japan, Korea, P.R. China, India, France, UK, Sweden, Italy, Brazil, and the Russian Federation.

As a dependable and responsible partner, we offer a comprehensive product portfolio of integrated tools and tool solutions designed to increase quality and efficiency in the development and maintenance of embedded systems. Our tools are widely deployed in automotive and adjacent segments of the embedded industry.

The product portfolio is complemented by engineering services, consulting, training, and first-class customer service. We are an active contributor to standardization committees such as ASAM, OSEK, Nexus, AUTOSAR, AESAS, FlexRay, LIN, and JasPar.

For more information, visit www.etas.com