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PRESS RELEASE

New Modbus Fieldbus Interface for the imc DAQ Platform

Seamless Integration of 3rd Party Devices, Sensors, and Equipment

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The imc CRONOS data acquisition system platform – especially the DAQ systems imc CRONOSflex, imc CRONOScompact, imc SPARTAN and imc Busdaq - can now be equipped with a new interface for the Modbus Fieldbus. This interface seamlessly integrates any external sensor, device, or data source with a Modbus link. Test engineers who already rely on a comprehensive testing solution based on the imc CRONOS DAQ system platform and the imc STUDIO test and measurement software benefit from this when additional devices are needed. Typical use cases are monitoring and testing applications that need to involve the operation of power meters, weather stations, special sensors (e.g., pyrometers), or even climate chambers that communicate temperature or humidity data via Modbus.

The Modbus interface adds to a fully integrated DAQ solution and avoids issues with external gateway devices or software hurdles. Based entirely on the imc CRONOS DAQ system, it can exploit the functionality of the imc CRONOS DAQ system platform: stand-alone capabilities, robustness, live data analysis, including the application as a complete real-time test automation platform. The interface features a dedicated processor, is independent of the entire system's resources, and neither limits the performance nor the scalability. The interface works with both Modbus standards: Modbus TCP (Ethernet) and Modbus RTU (serial Port) which can be operated parallel and at the same time. The configuration of the Modbus data transfer parameters is facilitated by an easy-to-use assistant GUI in the test software imc STUDIO that allows it to be fully operational in just a few minutes.

The new Modbus Fieldbus interface proves that the imc CRONOS platform is one of the single most comprehensive data acquisition systems that integrate measurement and control, creating productive testing solutions.

Please visit imc-tm.com for further information on the fieldbus connectivity of the imc data acquisition systems:

<https://go.imc-tm.com/new-modbus-interface>

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