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PRESS RELEASE- FOR IMMEDIATE RELEASE

imc Test & Measurement Announces new ARGUSfit DAQ System Modules that improve on wireless LAN connectivity, temperature profiling, and digital signal processing

The ultra-low power consumption and rugged compact design enable true data mobility on the track and on the test bench

Berlin (Germany), October 6, 2025 - imc Test & Measurement, part of the Axiometrix Solutions brand family, announces the launch of four new measurement modules for its next-generation modular DAQ system. The new ARGUSfit modules now support an even broader spectrum of applications for vehicle testing engineers. Our new modules include: ARGUSfit integrated WLAN interface, ARGUSfit ENC-6 counter module, ARGUSfit T-10 temperature module, and ARGUSfit DI-16 module for digital inputs.

Key benefits gained from our new modules:

- Easy wireless LAN connectivity that is convenient for mobile and outdoor applications.
- Precise pulse-based measurements for RPM, frequency, angle, displacement, PWM, time/phase modes that allow advanced signal conditioning through differential input, filters and adjustable thresholds for maximum sensor compatibility.
- Universal distributed 10-channel temperature measurement enables thermal analysis under stress with fiber optic connectivity and high-speed system bus integration.
- Flexible 16-channel digital inputs for monitoring and acquisition that are configurable for electronic, industrial, and automotive standards with bitwise and port-oriented operation.

Vehicle testing engineers working in manufacturing, certification, and regulatory environments face increasingly complex testing demands. The imc ARGUSfit modules deliver precise, scalable, and mobile measurement solutions that adapt to scenarios within the automotive, aerospace, railway, VTOL, and heavy machinery industries.

“ARGUSfit is built for engineers who need reliable data wherever and whenever it matters,” says Martin Riedel, Strategic Product Manager at imc Test & Measurement. “It’s a complete solution that grows with your testing needs - whether you’re in the lab, on the road, or in the field.”

Built for Mobility. Engineered for Precision

Unlike traditional DAQ systems, imc ARGUSfit combines a rugged, compact design with ultra-low power consumption, enabling true mobility even when powered by standard power banks. Its modular architecture and sensor-near front-end modules ensure pristine signal quality with minimal cabling. Wireless connectivity and IoT messaging capabilities (MQTT) open the door to remote monitoring and cloud-based dashboards, enabling users to access data and monitor systems from anywhere.

Complete Testing Ecosystem

imc ARGUSfit is more than hardware - it’s a full testing ecosystem. Paired with the latest operating system software imc STUDIO, engineers gain intuitive control over system configuration, data collection, visualization, and workflow automation. Post-analysis is powered by imc FAMOS, delivering professional-grade insights and presentation tools, including the latest AI support.

Target Applications:

- Vehicle testing, including road load data, fatigue, and durability
- Diagnostic and troubleshooting missions
- Mobile testing with compact setups
- Unattended condition monitoring with web dashboards
- Stand-alone monitoring with autostart functionality
- Civil engineering and outdoor distributed testing

A New Standard in Transportation Testing

“From autonomous vehicle testing to remote condition monitoring in civil engineering, imc ARGUSfit is built for the future of mobility and measurement. It’s not just a DAQ system - it’s a flexible platform that adapts to every mission, every location, and every innovation yet to come.”, says Jan Baldauf, General Manager at imc Test & Measurement.

For further information on the product, please visit https://info.imc-tm.com/imc_ARGUSfit_2025_Global or contact presse@imc-tm.de.

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About imc Test & Measurement GmbH

imc Test & Measurement (Berlin) manufactures innovative solutions for test and measurement in research, development, service and production.

We cater to customers in automotive and mechanical engineering and in the railway, aerospace, and energy industries worldwide. imc sensors, data acquisition systems and software as well as its integrated solutions,

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enable its users to validate prototypes, optimize products, monitor processes, and to gain insights from measurement data in mobile or in stationary applications.

imc Test & Measurement is part of Axiometrix Solutions, a leading test solutions provider comprised of globally-recognized measurement brands, including Audio Precision and GRAS Sound & Vibration.