

TSEP at Sensor+Test 2025 – Hall 1, Booth 1-345

- **TSEP THEMIS: Modular Test and Measurement System**
- **TSEP Trigger&Sync Solution for IEEE 1588 Synchronization**
- **TSEP Adapter for USB-TMC Connection**

TSEP presents the latest generation of **TSEP THEMIS**, the modular and flexible T&M system, at Sensor+Test 2025 (6 - 8 May 2025 in Nuremberg) in hall 1, booth 1-345. The measuring devices enable extremely agile and efficient development and optimization of test and measurement tasks. They offer a quick and flexible solution to individual measurement problems using standard components and a proven measurement framework.

Trigger&Sync: To enable the time synchronization of measuring devices from different manufacturers – especially via IEEE 1588 – and the configuration of the associated time-dependent triggers, TSEP has developed a comprehensive product as part of the further development of the IVI specification: This product coordinates the time synchronization – via the time synchronization protocols IEEE 1588 PTP or TSEP Athena – both between several TSEP THEMIS devices and between different plug-in cards within a single THEMIS device. It also handles the central configuration, management and control of the entire system as a single unit.

Adapter for USB-TMC: TSEP has developed an adapter that turns any conventional USB port (USB 3.0) into a USB-TMC port – and thus also enables USB-TMC for smaller measuring device manufacturers. The adapter can be installed directly in the device or used as an external adapter. The TSEP remote system Poseidon natively supports this adapter and thus provides a USB-TMC communication channel. There is also native support for the client side of IVI and various Visa implementations (NI, Keysight, R&S). For manufacturers with their own SCPI remote system, TSEP offers a corresponding software package (Windows/Linux/RTOS) to support this interface.

The TSEP team is looking forward to meeting all visitors at their booth. For better planning, simply send a short registration email to info@tsep.com.

Pictures:



1: The Test and Measurement System TSEP THEMIS is precisely fitting, ready to use and flexibly configurable.



2: Trigger&Sync: TSEP has developed a product that coordinates the time synchronization between several TSEP THEMIS devices as well as between different plug-in cards within a single THEMIS device.

About TSEP Technical Software Engineering Plazotta:

TSEP is the competent partner for customized test and measurement systems. The company offers comprehensive T&M expertise “Made in Germany”.

From definition to concept, from planning to implementation, from commissioning to support – everything comes from a single source. TSEP helps mastering T&M tasks by shortening the development time and using suitable components in a targeted manner. TSEP relies on proven hardware and software components as well as a comprehensive service package to fulfill test and measurement requirements efficiently and precisely.

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