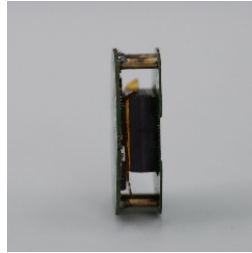
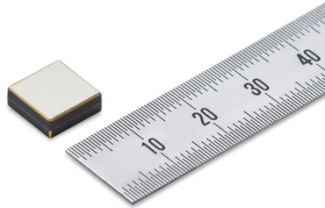


Maxell Europe Ltd Announces First Commercial European Deployment of All-Solid-State Battery Technology in Partnership with Micro-Sensys GmbH

Datchet, UK – March 13, 2025 – Maxell Europe Ltd is excited to announce the first commercial application of its advanced all-solid-state battery technology in Europe, in collaboration with microsensys. The breakthrough partnership will see Maxell's all-solid-state battery power a next-generation medical sensor, a data logger designed to monitor the cleaning and disinfection processes within the medical industry.



Maxell's PSB401010H battery seamlessly integrated into microsensys' advanced data logger, powering precise monitoring throughout critical industrial disinfection processes in the medical field.

This collaboration marks a significant milestone in the adoption of all-solid-state batteries within the European industrial sector, especially in the advancement in medical and industrial processes sensor monitoring, where extreme temperatures and harsh conditions challenge traditional battery solutions. The newest version of a wireless sensor monitoring solution, developed by microsensys, integrates Maxell's PSB401010H all-solid-state battery, offering exceptional heat resistance and long-term reliability. This enables real-time data logging of critical disinfection parameters, ensuring the safety and efficacy of medical instrument cleaning processes.

Revolutionising Medical Disinfection and Industrial Process Monitoring

Maxell's all-solid-state battery is uniquely suited for this application due to its ability to operate at temperatures up to 125°C, making it ideal for high-heat environments as required for top level performance medical cleaning. The PSB401010H battery, featuring a compact 10.5mm x 10.5mm x 4.0mm design and an 8mAh nominal capacity, delivers reliable, long-lasting power with minimal maintenance, even in demanding conditions.

By utilising this cutting-edge battery, microsensys' new TELID® eco-series data logger can continuously record temperature, pressure, and other disinfection parameters with unmatched reliability. This ensures that hospitals, laboratories, and medical facilities can maintain stringent cleaning standards, improving patient safety and regulatory compliance.

A Major Step Forward for All-Solid-State Battery Adoption

This partnership underscores Maxell's commitment to advancing energy storage solutions for critical applications. The ability of Maxell's all-solid-state battery to power medical-grade sensors in extreme environments demonstrates its potential across the healthcare industry and beyond.

"Our all-solid-state battery technology is transforming industries where durability and reliability are paramount," said Stewart Smith, Senior Manager at Maxell Europe Ltd. "Partnering with microsensys to bring this innovation into medical disinfection monitoring is a milestone in ensuring safer, more efficient healthcare processes."

Microsensys also emphasized the significance of this partnership:

"In medical and industrial processes, reliability and safety are paramount, especially in extreme environments," said Sylvo Jäger, CEO at microsensys. "For our newest product series with outstanding sustainable parameters, we required a power source that could withstand sustained temperatures of at least 115°C. Maxell's all-solid-state battery exceeded our expectations, operating safely up to 125°C. Its ceramic structure and solid electrolyte eliminates the risks of leakage, swelling or degradation, making it an ideal and far safer choice for medical applications. By integrating this advanced battery into our latest data logger, we are providing healthcare professionals with a maintenance-free, high-performance solution that ensures precise and secure disinfection monitoring."

For more details on Maxell's all-solid-state battery technology, visit [Maxell's official website](#).

To learn more about microsensys's wireless sensor solutions, visit:

<https://www.microsensys.de/en/products/rfid-sensors/rfid-sensor-data-logger/>

About Maxell Europe Ltd

Maxell Europe Ltd is a subsidiary of Maxell, Ltd., a global leader in energy solutions. With a legacy of innovation, Maxell provides high-quality, cutting-edge battery technologies for industries ranging from healthcare to automotive and beyond.

About Micro-Sensys GmbH

Microsensys specialises in advanced RFID and wireless sensor solutions, delivering high-performance products for medical, industrial, and scientific applications. With a focus on precision and durability, microsensys continues to drive innovation in data monitoring technology.

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For application related inquiries, please contact:

Micro-Sensys GmbH, Inquiry form: [Contacts - Microsensys » make things wireless](#)

Or visit <https://www.microsensys.de>