

# Endress+Hauser development team wins 2025 AMA Innovation Award

Industry association cites the ultrasonic flowmeter as an exceptional innovation in the field of sensor and measurement technology

**Highly innovative, original and market relevant: These three key features are of particular importance when selecting the winner of the AMA Innovation Award. The development team from Endress+Hauser was thus able to persuade the professional jury with the Proline Prosonic Flow P 500 ultrasonic flowmeter.**

The development team from Endress+Hauser Flow, the product center for flow measurement technology based in Reinach, Switzerland, prevailed against 27 international competitors. The four-person team consisting of Beat Kissling, Quirin Müller, Roberto Vitali and Andreas Berger developed a clamp-on ultrasonic sensor that enables non-contact flow measurements at temperatures of up to 550 degrees Celsius for the first time.

## **Precise measurement of high-temperature liquids**

Prosonic Flow P 500 from Endress+Hauser represents a significant advance in ultrasonic clamp-on flow measurement technology. Designed for a wide range of process applications, it ensures precise measurement of liquid flows without direct contact with the medium, making it ideal for aggressive, corrosive or abrasive liquids. The device supports functional safety (SIL) and is suitable for use in hazardous areas, offering robust performance over a wide temperature and nominal size range.

## **Improved performance and versatility**

Prosonic Flow P 500 has advanced software features such as FlowDC for disturbance compensation, enabling accurate measurements even under difficult installation conditions. The integrated web server provides easy access to diagnostics, configuration and device data, simplifying installation and maintenance. With Heartbeat Technology, the device provides continuous self-diagnostics and verification, enabling reliable operation and predictive maintenance.

The AMA Innovation Award is presented by the Association for Sensors and Measurement and is considered one of the most prestigious awards in the industry. It honors innovative researchers and development teams. The jury is made up of representatives from industry and science. The awards ceremony was held on 6 May 2025 as part of the Sensor+Test trade fair in Nuremberg, Germany.



**EH\_AMA-Award\_Prosonic\_Flow\_P500.jpg**

Award-winning: Flow measurement up to 550°C (1022°F) with Proline Prosonic Flow P 500 high-temperature sensors.



**EH\_AMA-Award\_Prosonic\_Flow\_P500\_team.jpg**

The development team of the Proline Prosonic Flow P 500 from Endress+Hauser Flow.

## **The Endress+Hauser Group**

Endress+Hauser is a global leader in measurement and automation technology for process and laboratory applications. The family company, headquartered in Reinach, Switzerland, achieved net sales of more than 3.7 billion euros in 2024 with a total workforce of over 17,000.

Endress+Hauser devices, solutions and services are at home in many industries. Customers thus use them to gain valuable knowledge from their applications. This enables them to improve their products, work economically and at the same time protect people and the environment.

Endress+Hauser is a reliable partner worldwide. Its own sales companies in more than 50 countries as well as representatives in another 70 countries ensure competent support. Production facilities on four continents manufacture quickly and flexibly to the highest quality standards.

Endress+Hauser was founded in 1953 by Georg H Endress and Ludwig Hauser. Ever since, the company has been pushing ahead with the development and use of innovative technologies, now helping to shape the industry's digital transformation. Over 9,000 patents and applications protect the Group's intellectual property.

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