

Press release

eddylab GmbH

Precise. Digital. Flexible. - DEEneo signal conditioners for LVDT sensors

DEEneo & DEEneo-ISC

NEW! LVDT electronics with digital signal processing



DEEneo
Digital External Electronics



DEEneo-ISC
Inline Signal Conditioner

*Otterfing, 15.01.2025. With **DEEneo** and **DEEneo-ISC**, eddylab GmbH presents new high-performance signal conditioners with digital signal processing that guarantee maximum accuracy and interference immunity.*

The new DEEneo and DEEneo-ISC electronics with digital signal processing are the ideal solution for measurement requirements that demand maximum precision and interference immunity. The signal conditioners - available both as inline signal conditioners (cable electronics) or for DIN rail mounting - ensure reliable conversion of the sensor signal into a standardized, analogue output signal and are compatible with virtually all common LVDT sensors. With the help of the integrated microcontroller, the linearity deviation of the connected displacement transducer can also be almost completely eliminated.

Convenient configuration - easy adaptation to the application

A push button (SET button) enables the basic configuration and simple setting of the measuring range limits.

This allows the measuring chain to be quickly and efficiently adapted to specific requirements. The **eddySetup** configuration software, which is available as a free download, also makes it easy to set additional parameters and activate functions such as switching outputs.

“With DEEneo and DEEneo-ISC, we have developed a solution that combines maximum precision with great flexibility thanks to digital signal processing. This enables us to provide extended functionalities such as cable break detection, multiple switching outputs and digital linearization that ensure reliable and precise monitoring of the measurement chain. As a manufacturer of LVDT sensors, these electronics perfectly complement our sensor portfolio and offer our customers features in a small format that were previously only available in large systems,” explains Remo Kagerer, team leader in the electronics development department at eddylab.

Interested trade visitors can find out more about the new DEEneo and DEEneo-ISC products at the “**all about automation**” trade fair on February 25 and 26, 2025 in Friedrichshafen. eddylab will be presenting its high-precision LVDT and eddy current sensors as well as the powerful signal conditioners at stand **B2-544**.

About eddylab GmbH

eddylab GmbH specializes in the development, design, and production of sensors for the measurement of geometric parameters, including complete system solutions.

The eddylab product portfolio includes eddy current and inductive sensors, laser sensors, draw-wire sensors, digital gauges, magnetic tapes, and scales as well as displays, signal converters and other accessories for a wide range of industrial applications. The company's strength lies in the development of application-specific sensor technology. In close cooperation with its customers, eddylab develops high-precision, high-performance sensors that are directly adapted technically and geometrically to customer requirements. eddylab demonstrates special expertise in adapting its sensors to particularly challenging areas of application with high temperatures or high pressure, such as those typically found in the energy sector.

In order to guarantee special industry-specific standards in terms of safety, reliability and quality, eddylab takes into account MIL-STD standards for military applications, DNV-GL regulations in the maritime sector and IEEE and RCC-E standards for the safety and reliability of electrical systems in the nuclear energy sector.

Contact:

eddylab GmbH
Ludwig-Ganghofer-Str. 40
83624 Otterfing
+49 (0)8024 46772 – 0
info@eddylab.de
www.eddylab.com