

PressRelease

## **Dive deep!**

### **Eddylab presents a new waterproof eddy-current driver with IP68 protection class.**

**Taufkirchen, 20.02.2018 – The new AX-Series in combination with our ultra-robust eddy-current sensors is an entirely waterproof eddy-current system. A customized molding procedure admits subsea operation of the entire system.**

The CNC-machined electronic box is sealed with an O-ring. The front-sided connection between eddy-current sensor and housing is achieved with a hermetically sealed LEMO-connection. The M12-connection on the rear side is also IP68 rated and withstands pressures up to 10 bars. The high degree of pressure resistance between the cable and the connector comes with a specialized injection molding process. The injection process crosslinks the cable's TPE-jacketed and the connector to a monolithic unit. The AX-System is utilized in tidal power plants. These turbines are placed 40m below sea level with a period free of maintenance for five years. The eddy-current sensors measure the deflection curve of the rotating blades. This information serves as a parameter for maximum performance of the turbine.

Michael Reiter, CEO advises: "The application of sensors under water or in a wet process is a demanding task. A leakage is a no-go. Therefore the choice of the appropriate protection class during projecting is essential."

#### **About eddylab**

eddylab is a modern company, which passionately designs, constructs and produces sensors for the measurement of distances and positions. We eventually provide entire system solutions. The company's product portfolio includes eddycurrent probes, inductive transducers, digital gauges, digital rulers, digital magnetic scales, display controls, signal conditioner and encoders. Besides our standard products in stock for a plenitude of industrial applications our strength is the development of custom-made sensors. In close cooperation with our customers we develop ultra-precise sensors true to the motto "sensors – built to perform".

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