

Press Release

Leutenbach, June 2022
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Sensors and industrial joysticks - Made in Germany by the specialist Metallux AG

Metallux sensors and industrial joysticks can be found in numerous applications worldwide. The Swabian company has been developing and manufacturing in Leutenbach near Stuttgart for more than three decades.

Metallux AG has specialized in the development and manufacture of sensors and industrial joysticks. The extensive portfolio ranges from pressure sensors and pressure transmitters, linear and rotary sensors to high-voltage and power resistors and industrial joysticks. All products are based on proven thick-film technology, for which the owner-managed, medium-sized company has numerous patents.

The company attaches great importance to the quality and reliability of its products, which are all characterized by high measuring accuracy, excellent long-term stability and a good price/performance ratio.

Extensive standard range and customised solutions

Metallux not only has an extensive standard range. One focus is the development of individual, customised solutions. The specialists at Metallux always find a way to tailor a product exactly to an application.

Extensive application know-how

Metallux supplies a wide range of industries. Products can be found in medical technology, materials handling and lifting technology as well as in energy and environmental technology, but of course also in vehicle construction through to construction and special vehicles. A big plus here is the extensive application know-how of the highly qualified Metallux employees as well as the individual and personal advice.

From sample quantities to large series

Metallux manufactures exclusively in Germany: from sample quantities to large series of several hundred thousand pieces. Modern, automated production processes are used. A clean room is just as much part of the equipment as high-quality inspection and testing strategies.

New products at Bauma

Metallux presents three new products at this very important trade fair:

An innovative hand-joystick MJ-30K designed for precise drive and function control of vehicles, ships and cranes, machines and remote-control applications. State-of-the-art technology, a robust construction and an ergonomic design make it the ideal control element for demanding functions.

Based on decades of experience in the development and manufacture of ceramic pressure cells and extensive application know-how, Metallux is launching a pressure transmitter on the market for the first time. It consists of a ceramic pressure cell with a diameter of only 10 mm and a robust, media-resistant stainless-steel housing and can be installed directly in a wide variety of applications. The **pressure transmitter MTX-F** features a compact, slim design and a low installation height of only 33 mm. Designed for pressure ranges of 0-200 bar, its modular construction offers various options for electrical output signals and mechanical process connection types.

The new **POL 790 CAN precision potentiometer** is ideally suited, for example, for axis position monitoring in special and off-highway vehicles in agriculture and construction. It is extremely robust, precise and low-wear. The encoder, which communicates via the safety-oriented CAN protocol, impresses with its high resolution and very good linearity. The measuring range is an unrestricted 360°. The internal values of the potentiometer can be used for preventive maintenance. Thanks to a CAN bus interface, it can be easily integrated into the data bus, but can also be retrofitted or upgraded.

In a further expansion stage, it is planned to implement "CAN open Safety", which will further expand the range of applications for the angle encoder even more.

More information:

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Pictures:



Hand-Joystick MJ-30K Metallux AG



Metallux Pressure transmitter MTX-F



Metallux POL 790 precision potentiometer with CAN-Bus interface

Profile Metallux AG

Metallux AG is an international, leading developer and manufacturer of sensors in thick-film technology. The extensive product portfolio ranges from pressure, linear and rotary sensors to resistors and industrial joysticks for controlling vehicles and machines. Innovative products and tailor-made, customer-specific solutions - Made in Germany: this is a combination that well-known customers from the fields of vehicle construction, medical technology, energy and environmental technology, materials handling and lifting technology and mechanical engineering rely on for over 30 years.

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