

Press Release

MetaPot – the flexible foil sensor

Korb, Germany, 2. April 2008

The new flexible foil sensor MetaPot of Metallux AG offers infinite possibilities and new fields of application for potentiometers.

Compared to conventional systems the MetaPot foil sensor technology MetaPot offers a flat design, easy assembling into existing systems as well as a wide temperature range of -40°C up to 125°C.



Advantages of MetaPot foil technology:

- marginal abrasion
- very good price-performance ratio
- flat design < 0,5mm
- easy assembling
- high life time >5.000.000 cycles
- wide temperature range [-40°C - 125°C]
- high resolution via analogue techniques
- measuring length up to 500mm
- hermetically sealed against dust, dirt and liquid
- customized dimensions possible [length, width, radii]
- different connections available
- linearisation of the resistance track possible [< 0,25%]
- sensor position retains in failure mode -> no initialising necessary

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„Our foil sensor product line complements our sensor technology perfectly. For our clients we can now offer an even broader spectrum of possibilities, “ so Andreas Oberascher, CEO of Metallux AG.

Fields of application of MetaPot foil sensors:

Automotive:

convertible top, mirror, seating position, window lift, accelerator pedal, steering position

Medical Technology:

operating table, syringes pumps, mammogram apparatus, dialyzer magnetic resonance tomography

Shipbuilding:

Control of ship actuator, Joysticks

Aerospace Industry:

seating position in aircrafts, carriage positioning, handling robot on the ISS

Other industrial applications:

actuating drive, level indication, robot control, valve positioning, pneumatic- und hydraulic systems, door and garage opener, machine tools, material-handling vehicle, packaging machine

MetaPot foil technology is assembled in different fields of application in medical and drive technology, tool engineering. The system is ideal for highest demands on quality in different applications.

A further development deranging of MetaPot foil sensor technology is the magnetic foil sensor MMP. As there is nearly no abrasion a long life time of more than 100 million cycles are possible.

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About Metallux:

Metallux AG is a high-capacity manufacturer of electronic thick-film components. Metallux provides a broad spectrum of services and in addition to the standard program of pressure, position, angle and foil sensors, high-tension and power resistors also offers complete customer-specific solutions including customization of potentiometers and joysticks. Proven customer orientation providing suitable ideas and solutions ensures satisfied customers.

Innovative products and many years of experience – numerous well-known customers from the automobile industry, electrostatics, medical and industrial electronics and sensor systems have relied on the company headquartered in the vicinity of Stuttgart for more than 22 years.

For more information:

www.metallux.de

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