



PRODUCT PORTFOLIO

Inspiring Technology since 1986



▶ Potentiometers

▶ Linear and Rotary
Sensors

▶ MetaPot
Membrane Sensors

▶ Joysticks

▶ Pressure Sensors

▶ High Voltage
Resistors

▶ Power
Resistors

USA

FIRST IN SENSORS

metallux USA, Inc.

SENSORS, RESISTORS AND JOYSTICKS IN THICK-FILM TECHNOLOGY



SENSORS FOR LINEAR AND ROTARY MEASUREMENT

- Absolute measuring sensors
- Metallux-Conductive Plastic-Technology or Hall-Effect
- Lifetime of up to 50 million cycles
- Sensors in plastic or metal housing
- Customer specific designs
- Redundant versions or with additional switching options
- Linearity up to $\pm 0.25\%$
- Linear sensors up to 500 mm – rotary sensors up to 355°, Hall-Effect up to 360°
- Adequate protection for any usage (up to IP 67)
- Low-current consumption, perfectly suitable for battery operation



LINEAR- AND ROTARY SENSORS IN CONDUCTIVE PLASTIC TECHNOLOGY

- Absolute measuring sensors
- High integration possibility
- Easy installation
- Linear sensors up to 500 mm – rotary sensors up to 355°
- Linearity up to $< 0.1\%$
- Redundant versions or with additional switching options
- Flat design
- Lifetime of up to 50 million cycles
- Customized design
- High resolution



LINEAR AND ROTARY SENSORS IN METAPOT-TECHNOLOGY

- Flat design
- High protection class IP 65
- Up to 500 mm electrical stroke / 355° rotative
- Customer specific designs
- Magnetically operating, contactless
- Lifetime of up to 100 million cycles
- Linearity up to $< 0.3\%$



INDUSTRIAL JOYSTICKS

- 1-, 2-, 3-axis
- Analog/digital
- Conductive plastic, MetaPot, Hall-Effect
- Mechanical notches
- Push button integrated in handle
- „Put and stay“-versions
- Minimal mounting depth
- Low installation height
- Customer specific designs

SENSORS, RESISTORS AND JOYSTICKS IN THICK-FILM TECHNOLOGY

PRESSURE SENSORS CERAMIC



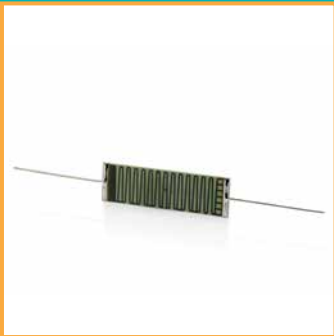
- Pressure range (0.5–600 bar, Ø 18 mm)
- Monolithic, flush membrane
- Relative, absolute and sealed gauge
- High precision and longterm stability
- Optional with signal conditioning 0.5 – 4.5 V or 4 – 20 mA output signal
- Customer specific designs
- High chemical resistance on request

PRESSURE SENSORS STAINLESS STEEL



- Pressure range 10 – 2000 bar
- Monolithic, optional with thread
- High overload and burst pressure
- Customer specific designs on request
- Optional with signal conditioning 0.5 – 4.5 V or 4 – 20 mA output signal

HIGH VOLTAGE RESISTORS/HV-DIVIDERS

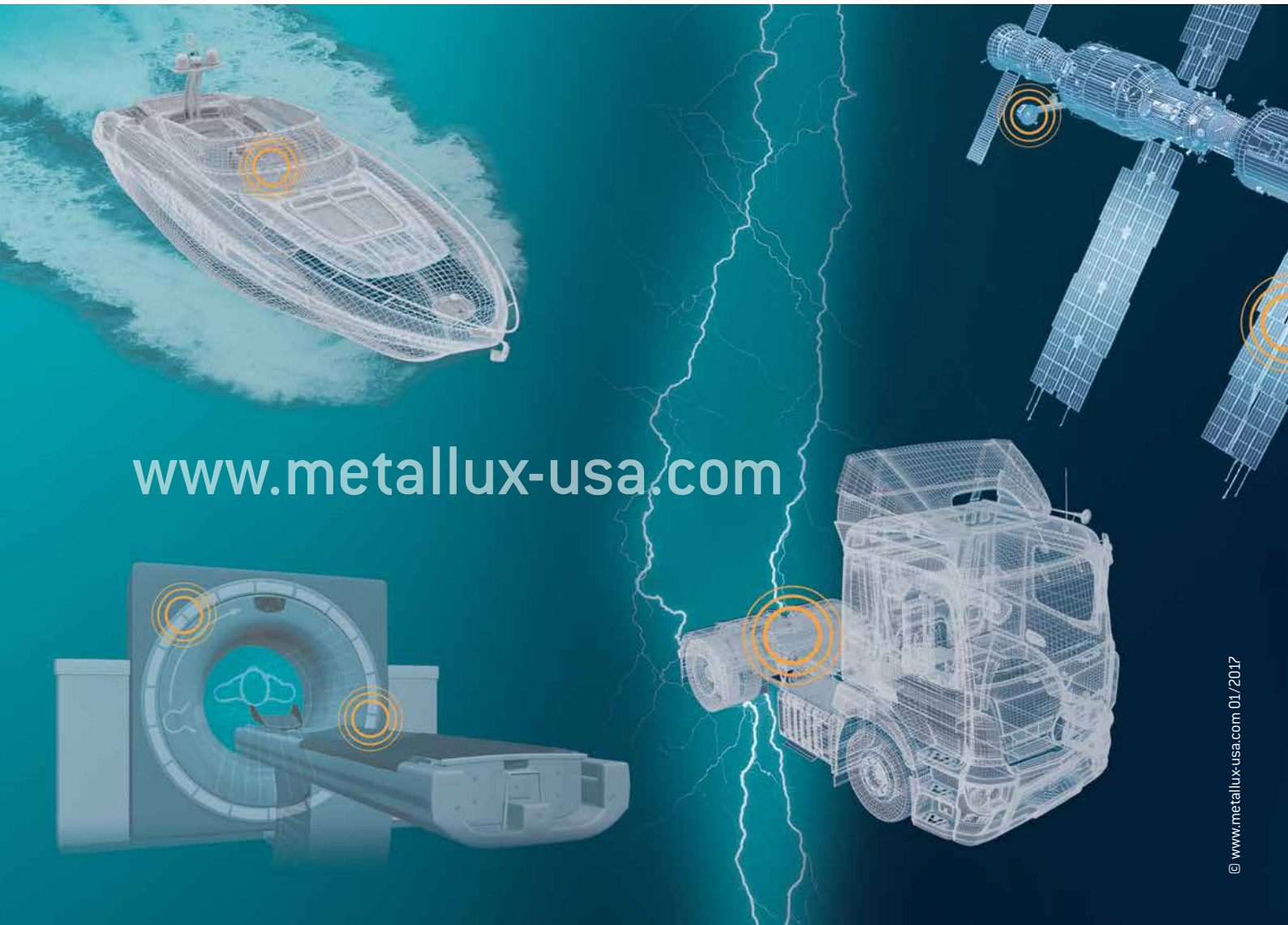


- Voltage up to 100 KV
- Resistance up to 100 GΩ
- Tolerance up to 0.1 %
- TCR < 15ppm/°C
- VCR < 0.01 ppm/V
- Power up to 100 W
- Pulse load approved versions

POWER AND BRAKE RESISTORS



- Resistors in thick-film-Technology up to 900 W
- Low inductance
- Compact and space saving
- Resistors in Wire-Technology up to 6 KW
- Protection up to IP 65
- Temperature switch



www.metallux-usa.com

© www.metallux-usa.com 01/2017



METALLUX USA, INC.

2340 Brighton Henrietta | Town Line Road, Suite 4
Rochester, NY 14623 | USA
PHONE: +1 (585) 360-0054 | FAX: +1 (866) 429-0360
E-mail: info@metallux-usa.com

REPRESENTED BY REICHENBACH INTERNATIONAL INC.

2080 Stonesgate Street
Westlake Village, CA 91361 | USA
PHONE: +1 (805) 495-7003 | www.reichenbachintl.com
E-mail: Andrew@reichenbachintl.com