

SENSOR APPLICATIONS

- ▶ Slew/Boom Angle & Extension
- ▶ Steering & Hydraulics
- ▶ Fluid level & Pressure
- ▶ Vehicle & Platform levelling
- ▶ Product weighing
- ▶ Overload monitoring
- ▶ Engine & Drive powertrain
- ▶ Foot pedals & Hand controls
- ▶ Switching & Latching
- ▶ Cabin climate control
- ▶ Coolant & Oil temperature monitoring
- ▶ Force & Torque measurement

KEY FEATURES

- ▶ E1 Approval
- ▶ Designs to Meet SIL II
- ▶ EC79 & EC406
- ▶ PL:d Compliance
- ▶ DIN EN ISO 13849
- ▶ IEC 61508
- ▶ EN 13309 for Construction Machinery
- ▶ ISO 14982 for Agricultural Machinery
- ▶ High Shock & Vibration
- ▶ Reliable Long-life Solutions
- ▶ Robust, Heavy-duty, Industry proven
- ▶ Environmentally sealed

We also offer a range of custom solutions to suit your more specific requirements.



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SENSORS FOR SPECIAL PURPOSE VEHICLES



LINEAR POTENTIOMETERS

- High-Performance and industrial versions
- Small, robust and long life
- Shock and vibration resistant
- Voltage divider principle
- Sealing up to IP67



COMBINED PRESSURE - / TEMPERATURE TRANSDUCERS

- 0-0.6 bar up to 1000 bar measurement range
- Temperature range -55...150 °C
- Analogue output signal
- PT1000 or analogue output
- Integrated or exposed temperature probe



LOAD CELLS

- Precise compression/tension measuring
- High overload versions available
- Excellent price/performance ratio
- Hermetically sealed IP68 versions



LINEAR/ROTARY INDUCTIVE SENSORS

- Non-contacting inductive technology
- Angle set to customer's requirement
- Compact, durable and reliable
- High accuracy and stability
- Sealing to IP67/IP69K as required



TEMPERATURE PROBES

- Temperature ranges from -96...350 °C
- RTD or NTC based probes
- Screw type, ring terminal, tubular probes
- Custom housings & connectors
- High voltage and Hydrogen compatible versions



HMI/FOOT SWITCHES

- CAN and RS485 Keypad addresses
- LED state & status configurable
- Customizable inserts/icons
- Plastic and metal housing
- USB option + customized cables & plugs on request



ROTARY HALL EFFECT SENSORS

- 0 to 360° position sensing
- Temperature operation from -40...125 °C
- Programmable angles from 30...360°
- IP67/IP68 protection



TEMPERATURE TRANSDUCERS

- Temperature range -40...150 °C
- Analogue output signals
- Wide range of process connections
- Wide range of connector options
- Hydrogen compatible version available



WATERPROOF SWITCHES

- Normally open, closed, SPDT
- Truly waterproof IP68
- Stainless steel mounting limit switches
- Switch panels
- Military and industrial grade



MAGNETIC ENCODERS

- High and low resolution modules
- Excellent speed, direction and relative position feedback
- Operating temperature -40...+125 °C
- Operating range 4 - 24 V



PRESSURE TRANSDUCERS

- 0-20 mbar up to 5000 bar measurement range
- Analogue and digital output signals, incl. low energy
- Wide range of process connections
- Wide range of electrical connections
- For use with Hydrogen EC79 and EC406 approved



BALL & PLUNGER SWITCHES

- Plated steel, brass, or stainless steel
- SPST momentary, NO and NC available
- Temperature resistance range -40...200 °C
- Environmental resistance: acids, alkalis, salt spray, sand, dust, and fungus
- Military and industrial grade



SPEED/GEARTOOTH SENSORS

- Digital output signal
- Wide range of design options
- Operates from -40...125 °C
- Zero speed operation
- High speed (15kHz) operation



PRESSURE SWITCHES

- Ultra-sensitive patented dual-diaphragm/ dual contact
- Switch range 0.25 - 124.59 mbar
- Extended temperature range
- Fitted with an AMP superseal connector



PROXIMITY SWITCHES

- Non-contact solid state device
- Magnet actuated
- Operating temperature -40...+125 °C
- Sealing up to IP67



FOR MORE INFORMATION
PLEASE VISIT OUR WEBSITE

