

Sensors



Davis Controls®

800-701-7460

www.daviscontrols.com

 **Baumer**
Passion for Sensors

The Baumer Group is one of the worldwide leading manufacturers of sensors, encoders, measuring instruments and components for automated image-processing:



- **Inductive sensors:** for the contactless detection of metal objects. Indispensable in all machines – Inductive proximity switches to monitor presence, movement and position
- **Photoelectric sensors:** for countless applications. They don't miss a thing – object detection, color recognition, component counting, filling, level monitoring
- **Ultrasonic sensors:** for reliable detection, independent of color or transparency
- **Capacitive sensors:** measure all media highly accurately. Material-independent object and filling level detection
- **Magnetic sensors:** robust and precise. Based on the Hall principle or magneto-resistive circuits
- **Laser distance-measurement sensors:** Accurate and reliable distance measurements even on demanding surfaces
- **PosCon light section sensors:** The smart profile sensors with preconfigured measuring functions
- **Edge Position sensors:** combine usability and precise measurement. Regardless of whatever edge position you want to measure - web edges, object width or control, copy counting, gap or position detection – Baumer offers the perfect solution for any requirement
- **Inclination sensors:** detect tilt angles at machines and installations towards the horizontal line. Acting as a kind of electronic water scale, inclination sensors are the perfect alternative to standard methods of angle measurement, particularly at hard to access rotation shafts
- **Acceleration sensors:** detect both vibration and shock to provide the machine control with the information via CANopen or Analog output. The safety relay output of GAM900S can be integrated in any safety system and will be activated as soon as the defined default limit is exceeded
- **Vision sensors:** VeriSens® is a compact image processing system in the shape of a sensor
- **Force sensors and Strain sensors:** ensure precision, maximum process stability and reproducible results during direct and indirect measuring

Sensors



BALLUFF No single technology can perform equally well in all situations. A diverse array of sensor operating principles, modes, and form factors is needed to deliver dependable performance across a broad spectrum of application requirements.

Balluff offers premium sensors for a wide range of application requirements, from presence detection and position measurement to level detection and pressure, for general industrial use or for tough applications in critical environments. To complete the solution, Balluff puts it all together with leading-edge networking and connection technology and a comprehensive sensor accessory program including mounting hardware and power supplies.

- Pressure sensors
- Inductive sensors
- Capacitive sensors
- Magnetic field sensors
- Magnetostrictive linear position sensors
- Inclination sensors
- Photoelectric sensors
- Ultrasonic sensors
- Temperature Sensors



Designs and manufactures a broad range of liquid level, flow and pressure sensors:

- Liquid Level Sensors & Switches
- Flow Sensors & Switches
- Pressure Sensors, Transducers, Switches



A global leader in designing and manufacturing innovative controls, sensors and instrumentation solutions for the HVAC and process automation markets.



SCHMERSAL The largest range of safety switching appliances and systems worldwide for the protection of human life and machines. The comprehensive range includes safety switches, solenoid interlocks, emergency stop - switches, security sensors, safety mats with safety function, photoelectric light barriers and end switches, which include limit switches, position switches and micro switches.



Reliable and precise measurement, control and calibration technology for flow, level, temperature, pressure and force.



Designs and manufactures a broad range of thermocouples and other temperature measurement solutions that are guaranteed to give you a cost effective solution that is sensitive, responsive and consistently accurate.



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