



SMART SENSOR

Getting Smart with Sensing Technology

FEATURES

- Multi Axis G-Force
- Senses XYZ Planes
- Programmable Outputs
- Digital Output
- Analog Output

- Vibration Resistant
- Mechanical Stress Resistant

Detection

- Angle
- Shock
- Magnetic Field
- Ferrous Metal
- Acceleration
- G-Force

Customization

- Reaction Time
- G-Force
- Tilt Control
- Size of Unit



The Comus Group is proud to introduce our newest line of custom products: the Smart sensor. A Smart sensor utilizes multiple sensing technologies and processing techniques in a package uniquely tailored for various environments, giving our customers a turnkey package solution that will transmit more information than using independent sensors.



Our range of Smart sensors is designed to weather environmental conditions such as vibration and mechanical stress. They consist of time proven and tested sensing technology to give you a robust sensor with reaction time as little as 2ms. You can be sure to get the reliability and performance you have come to expect from the Comus Group in our newest Sensor line.



We customize our products to your specification. Whether it's changing reaction time, angle thresholds, acceleration levels, our line of programmable sensors can give you the versatility needed for your application. The sensors can be adjusted (programmed) through a USB serial converter cable with a 3mm audio jack connector. We supply and modify a variety of Smart sensors specific to your needs. Sales and engineering personnel are available to customize your application on and off site.



APPLICATIONS

Our Smart Sensors have found a home in the most diverse of applications and industries:

- medical devices such as hospital beds
- engineering equipment such as automated testers
- vehicle leveling and/or alarm control sensing
- solar panel positioning
- safety sensing for heaters where equipment has to be kept in relative level state

The picture to the left shows one such application. Here the Smart sensor is being used in a scaffold. The scaffold is being held up by vertical cables with motors attached to adjust the length of the cables. The Smart sensors make sure the angles remain at 0°. If any angle becomes larger than 4°, one motor will be turned off until the angle is at 0° again.