

muRata SPEAKS

TECHNOLOGY | SOLUTIONS | INNOVATIONS

Questions & Answers



1 Do you have IR Temp Sensors?

Murata has PIR (Pyro Infrared) sensor. You may refer to this link for more detail: <https://www.murata.com/en-sg/products/sensor/infrared>

2 What is the minimum inclination angle I could measure? A John Deere Branch(Vögele) still uses liquid filled inclinometers because of NVH and accuracy.

Dynamic is 0.05 degrees, static is less. The liquid sensor's strength is that it is very robust to temperature change; however, the measuring range is relatively limited, hence we frequently find a combination of liquid sensor for zero angle and MEMS for small angles.

**3 I'm using combination sensors (accelerometer + gyroscope) where I experience some noise.
Could you please recommend me a most suitable filter algorithm so that I can get a accurate output because i'm using these sensors to detect the crash of the vehicle?**

Basically you will need a fast data rate sensor.