

K-AHRS

Attitude & Heading Reference System



K-AHRS Sensor

High performance Heading, Bank and Elevation

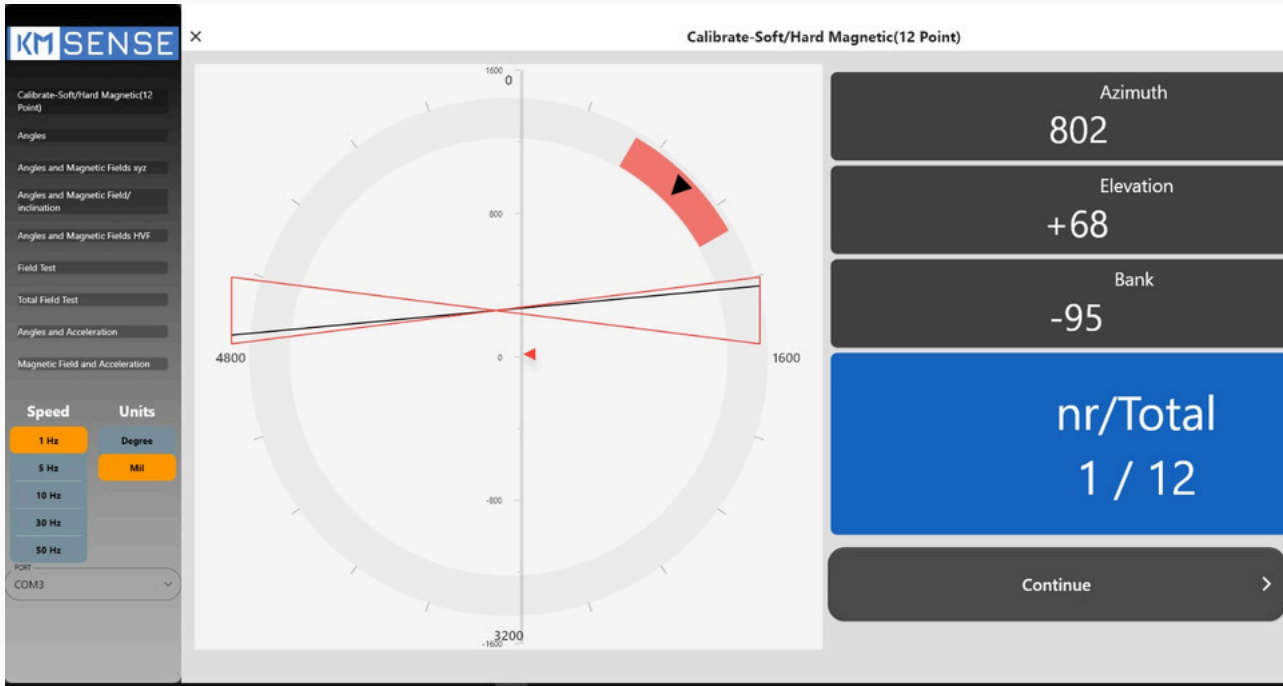
K-AHRS is an AHRS (Attitude & Heading Reference System) that precisely measures roll, pitch, yaw angles as well as the heading angle. Unlike Digital Magnetic Compass (DMC) systems, K-AHRS is able to calculate heading angles under heavy magnetic interference and disturbance. Moreover, unlike DMC systems, it can correctly calculate tilt (roll / pitch or bank / elevation) angles of dynamic systems under motion. K-AHRS includes a 3D accelerometer, a 3D gyroscope and a 3D magnetometer as its primary sensors and a powerful microprocessor to employ its advanced sensor fusion / AHRS algorithms.

- Fully compensated magnetometer, less affected by magnetic field disturbances or ferromagnetic materials.
- Suitable for dynamic systems under acceleration thanks to its gyro-calculated tilt (bank / elevation) angles.
- Numerous modes, settings and options for utilization with great flexibility.
- Can be provided as PCB without casing, ready to be assembled to your board.

Static Roll/Pitch Accuracy	Static Heading Accuracy
0.1° RMS	0.25° RMS

Mechanical drawing dimensions are in mm

K-PUS series sensors User Interface



Sensor systems can be connected to a windows based computer via USB interface, so that users perform easy calibration, easy configuration and real time visualization of the sensor.

KMSense is a brand of KARAKAMLAR AEROSPACE

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