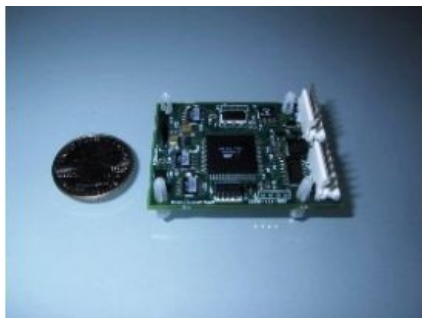


Solid State Logging Compass



AOSI's EZ-COMPASS-3AL LOGGING Compass incorporates a three-axis Magnetometer with tilt and temperature compensation and an onboard rewritable memory that allows independent storage of up to 20,000 readings and transferable to any PC. The 1.5"x2.0"x0.5" module weighs about 11g and generates heading, pitch, roll, magnetic field and temperature over RS232 or RS422 ports by using all solid state components.

Compass measures tilt angles up to +/-90 arcdeg and includes tilt linearization, hard and soft iron calibrations and high rate of throughput without any moving parts. EZ-COMPASS-3AVL is a vertical version and EZ-COMPASS-3AHL is the horizontal version. Both versions fit 0.9" diameter openings and are able to provide accurate directional and inclination drilling information for almost any drilling assignment. Integrated RS-422 allows data transfer as far as two kilometers from the compass. Major uses include marine and land navigation, vehicle and structure positioning, construction, antenna and satellite tracking among others.

<https://www.hydro-international.com/content/article/solid-state-logging-compass>
