

MLX90392

MICROPOWER TRIAXIS®

3D MAGNETOMETER

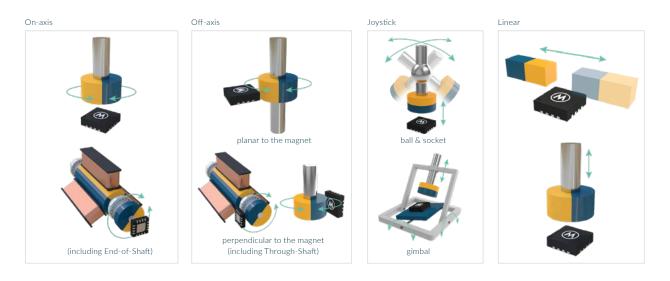
MAGNETIC FIELD SENSOR FOR COST CONSCIOUS APPLICATIONS

The MLX90392 is a three-axis magnetic position sensor which brings the Triaxis[®] Hall magnetic-sensing technology to cost-conscious white goods, smart metering, gaming, and home-security sectors

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The device, especially designed for micropower applications, measures magnetic fields along the 3 axis (X, Y being in a plane parallel to the surface of the die, Z being perpendicular to the surface). Those measurements and the IC temperature are converted into 16-bit words which are transferred upon request over I2C communication channel. The device transmits compensated raw measurement data. The MLX90392 is available in 2 magnetic versions:

- +/-5mT range for low-noise applications
- +/-50mT range for position sensor applications



FOR MORE INFORMATION: WWW.MELEXIS.COM/MLX90392



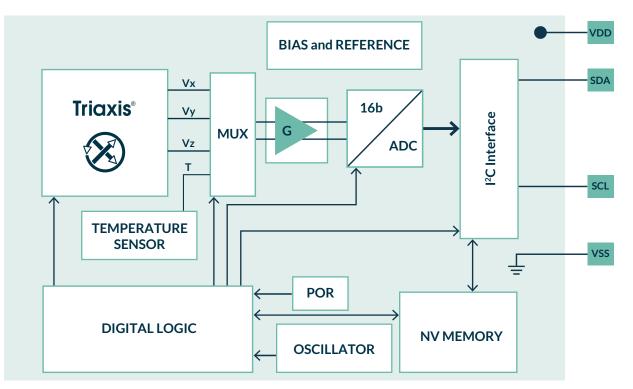
KEY FEATURES



- O Power tools Screwdriver trigger
- Home security- door window intrusion
- Knobs for White goods
- Or peripheral Mouse roller
- Gaming joystick
- ⊘ Anti-tamper for energy metering

APPLICATION DIAGRAM





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