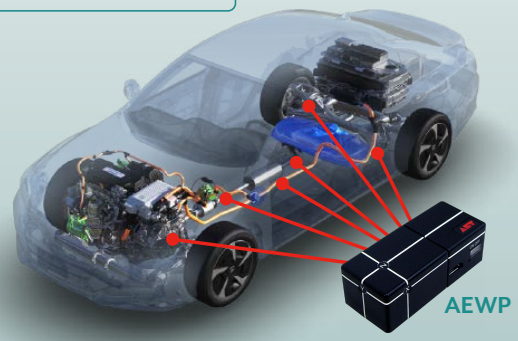
Mini Wireless Three-Axes Magnetic Sensor

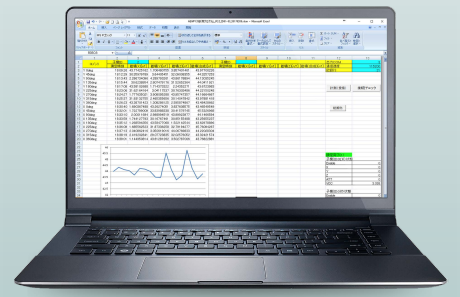
Reference

AEWP

Simultaneous measurement of 100 units max.



Transmit and receive data b/w PC and sensors.



EM WAVE M2M

Features

- Can measure the magnetic field in a cramped space where a measuring device and antenna cannot be inserted
- Composed of three axes ferrite coil antenna, which can measure highly sensitive and non-directional magnetic field
- Multiple units (100 units in Max.) can perform measurement simultaneously
- Standard calibration data provided: A2LS Accredited Calibration available (optional)
- Include easy-to-operate software R2.0 using Microsoft EXCEL (user can customize the software)

Application

- Measure common mode current on automotive wire harness
- Noise measurement on actuators and/or motor invertors of cars and/or robots
- Measure weak magnetic field such as remote car key (Low frequency range)
- Measure magnetic field of wireless sensor
- Evaluate link efficiency of wireless power transfer system
- Evaluate SAR (Specific Absorption Ratio) on human body

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Specification data (reference)

Description	Mini Wireless Three-Axes Magnetic Sensor (AEWP)
Size	W: 21.3 mm × D: 52.8 mm × H: 16.6 mm (Customizable)
Weight	20 g (Customizable)
Measurement method	Magnetic field measurement using three-axes ferrite coil
Frequency	From 100 kHz to tens of MHz (Customizable to suit specific measuring needs)
Sensitivity	From nT to 1000 uT (Customizable to suit specific measuring needs), Automatic measuring range
Communication mode	IEEE802.15.4 (2.4 GHz band)
Communication range	Over 10 m possible (It may change according to ambient environment.)
The number of units	100 units in max.
Battery	Lithium-ion battery (3 V), Micro-USB rechargeable
Calibration data	Standard calibration data, A2LS Accredited Calibration available (optional)
Accessory	Easy measuring software (R2.0) can be operated in Microsoft EXCEL
Certification of conformance to technical standards	Japan, US, Germany, and Spain (Please inquire for Antenna information.)

Specifications and/or appearance are subject to change without prior notice for further improvement.
We customize the product according to specifications.

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