

Specifications

Item	Description	Note
Measured content	Phase difference between a motor and MR sensor. Current angle of a MR sensor.	
Measurement accuracy	Within $\pm 0.1^\circ$	Repeated accuracy in the standard condition in our company's standard environment.
Supported motors	No. of poles: 2 to 9 poles Inductive voltage: 100 V or less	No. of poles settable.
Supported resolvers	No. of axial double angle: 1 to 9 double angle Transformer ratio: 0.14 to 0.66	No. of axis double angle settable.
Power supply	Single phase AC 100V to 240V 50/60Hz	
External dimensions	W310mm×H320mm×D120mm	Projected parts included.
Weight	3.5kg	Accessories not included.
Working environment	Temperature: 0 to 50°C Humidity: 15 to 85%	
Accessories	Motor connection cable (Clip) Resolver connection cable (M4 round terminal) Electromagnetic brake connection cable (Clip) AC 100V power supply cable	

MR Sensor Phase Difference Measuring Device MR-Meter MR-100

External dimensions



< Development / Manufacturing >

NST NST Co., Ltd.

<http://www.nst-co.com>

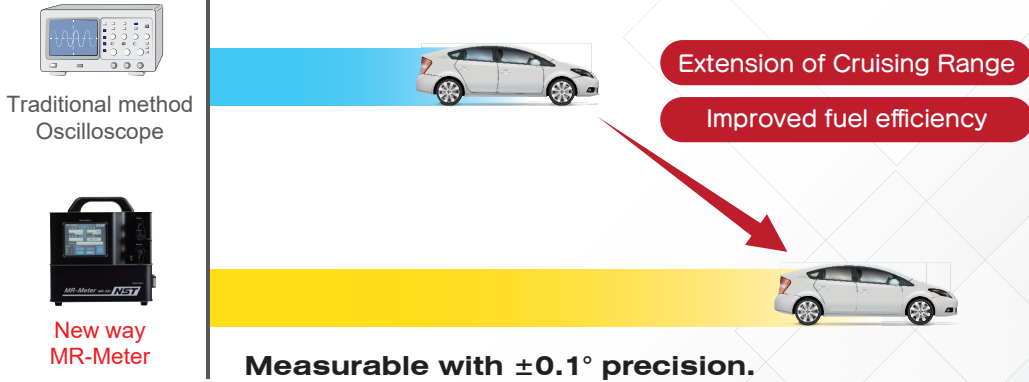
58 Toyooka-cho, Chuo-ku, Hamamatsu-shi, Shizuoka, 433-8103 JAPAN

TEL. +81 53-430-6311 FAX. +81 53-430-6312

The importance of accurate angle measurement.

A MR sensor is used to measure the precise angular position of a motor. Especially for EVs, which require longer cruising range, it is essential to improve the energy efficiency of motor control. In order to reliably extend this cruising distance, it is important to rotate the motor according to the given command and power. Accurate angular position measurement of MR sensors is required.

Cruising distance comparison



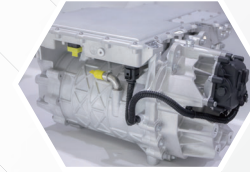
Reduce measurement time

Measurement time has been shortened to one tenth compared to Traditional method.



Delivery record

Motor manufacturer

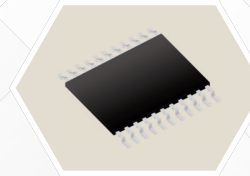


Electronics company



Introduction to major enterprises.

MR sensor manufacturer



Car manufacturer



Heavy industry manufacturer



Auto parts manufacturer



Construction machinery manufacturer

Future business expansion

In-house motor maintenance

By internalizing the maintenance work that is outsourced to external sources, it becomes possible to achieve cost reduction and swift responsiveness.



Service workshop



Car dealer