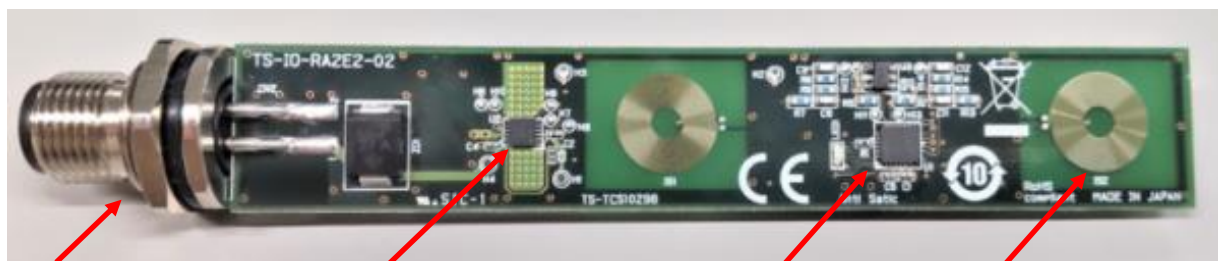# Inductive Sensor Solution Board with RA2E2 for IO-Link

Evaluation Platform for Software Development and System Development equipped with Renesas Electronics IO-Link chip and RA2E2 Microcontroller..

Feature

RA2E2 microcontroller and an ultra-small IO-Link PHY chip are mounted on an M12 connector-sized board.

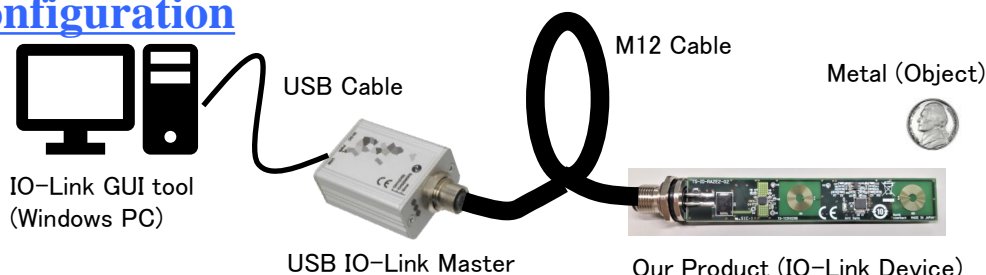Possible to detect metal at a distance of several "mm" with the inductive sensor on this board.

M12 Connector   IO-Link PHY Chip   RA2E2 Microcontroller   inductive sensor

System Configuration

IO-Link GUI tool
(Windows PC)   USB Cable   M12 Cable   Metal (Object)

USB IO-Link Master   Our Product (IO-Link Device)

Specifications

Product Name	Inductive Sensor Solution Board
Product Model Number	TS-IO-RA2E2-02
On-board MCU	RA2E2(R7FA2E2A72DNK)
IO-Link	Connector: M12A-4 (device) Line driver: Renesas Electronics RH4Z2501
Sensor	Inductive Sensor (Configure Pattern on Substrate)
MCU debug connector	MIPI 10 pin
Supported emulator	Renesas Electronics E2 Emulator/E2 Lite Emulator
External Dimensions	104 mm×18 mm (Excluding Connector Protrusions)

*The appearance and specifications of the product are under development and are subject to change without notice.