Introducing a device in the WM7000 series for spot（local） immunity！

A4 EMI+EMS EMC Easy&precise FullyAutomatic scanning 8G

W300×D215×H100mm

150kHz～8GHz

EMI+EMS

The real EMC supported with spot immunity function

Omnidirectional noise detection model along the straight axis and four rotational axes※

※ Rotational axes: X, Y, Z, and θ

Frequency bands

150kHz～3GHz

150kHz～8GHz

CISPR22 compliant

First in the industry！

※EMC noise scanner that can equip the spot irradiation probe.

Patent No.5574482

EMC noise scanner expected by engineers

High Performance EMC Noise Scaner **WM7000 series**

WM7400

MORITA TECH Morita Tech Co.,Ltd.

Three reasons the WM7400 is chosen by engineers

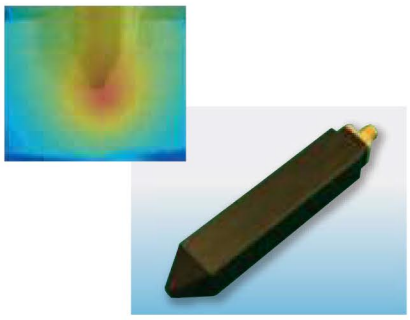
1 Real EMC is available

Realizing the "Real EMC" (EMI+EMS)

By equipping the magnetic field/electric field probe "MT-676 electromagnetic wave irradiation probe (option)" equipped with a newly developed spot (local) immunity function developed in-house, in addition to the electromagnetic wave detection of near magnetic field and electric field, the "spot immunity test" by electromagnetic wave irradiation also can be realized.

In addition to inspecting products, it becomes easy to identify the places where electromagnetic wave sensitivity is high at the design stage of electronic devices and elucidate the mechanism of electromagnetic noise occurs.

※ EMC：Electro-Magnetic Compatibility
※ EMI：Electro-Magnetic Interference
※ EMS：Electro-Magnetic Susceptibility

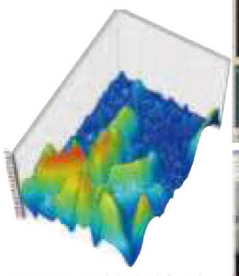


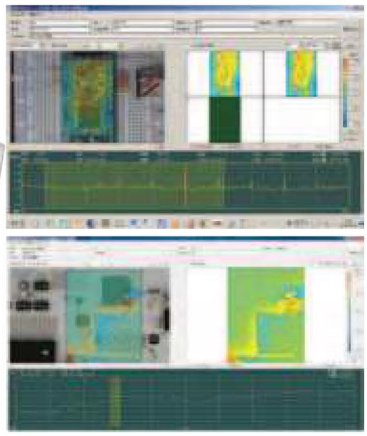
Newly developed "MT-676 electromagnetic wave irradiation probe" (on the photo). By irradiating electromagnetic waves from the irradiation part (diameter 1.6 mm), immunity tests can be performed on electronic parts in a spot. The upper left is the radiation pattern of the MT-676 electromagnetic wave irradiation probe.

2 EMI + EMS visualize

With our special viewer software, you can see the source of noise and EMS at a glance.

For EMI from the conventional model, high-speed and accurate noise measurement (EMI) is realized with dedicated software. The noise source can be seen at a glance by superimposing the noise map on the photograph of the measured object. Even in the immunity test, the unique location where EMS occurs can be visualized with this software (optional).



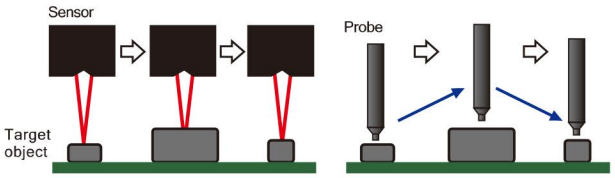


It is possible to display a photograph of the non-measurement object and the measurement result in the left and right areas (on the photograph) and output it as 3D map data. Below the photo is the visualization of the electromagnetic wave intrusion path during the immunity test.

3 High performance and compact

All the robots、softwares and probes are developed in-house !

We have achieved high performance and compactness by combining a highly reliable robot selected through years of research and development, a high-definition video camera, and a high-precision laser rangefinder. A wide variety of magnetic and electric field probes developed in-house enable wide-band, high-resolution measurement according to the application.



Using the laser range finder sensor, the device can scan the shape of the object without physical contact (left). Furthermore, it can achieve super-sensitive, accurate noise measurement through constant-distance scanning of objects whose surfaces are different in height (right).

WM7400 Specifications

Scanning range	W300mm×D215mm×H100mm (the range that the camera can image、A4 size)
Scanning method	laser range finding, near-field magnetic probe scanning
Positional accuracy	±0.01mm (when moving in a single direction)
Positional accuracy (θ)	±1.0°
Frequency band	150kH z～3GHz (standard) /150kHz～8.0GHz (Opt.150K8G)
minimum scan step	0.1mm
External dimensions	W490mm×D709mm×620mm (not including connectors or other protruding objects)
Weight	Approx.40Kg or less(main unit only, not including the spectrum and PC)
Input power	AC100V～240V
Maximum power consumption	150VA (MAX)(not including the spectrum analyzer)

Probes supported by WM7400, please reference other catalog.

A shield box and a chamber box are required for accurate EMC testing. The photo shows a shield box (sold separately) designed exclusively for our WM7400.

■Manufacturer

MORITA TECH

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