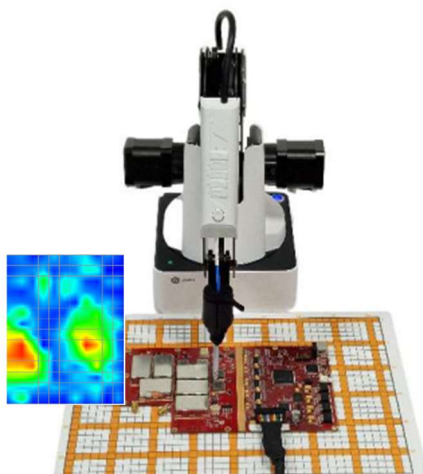


EMProbe

Datasheet

Accurate and Repeatable High-Resolution EMC and EMI diagnostic with a Single Probe, Robotic Arm on your lab-bench



Using Handheld probes to identify and resolve EMC/EMI issue testing has never been this accurate. 3D Precision Technology used to assist high density board designers to use off the shelf hand-held probes and/or Y.I.C. Technologies probes and visualise the root causes of potential EMC and EMI problems during pre and post EMC compliance testing.

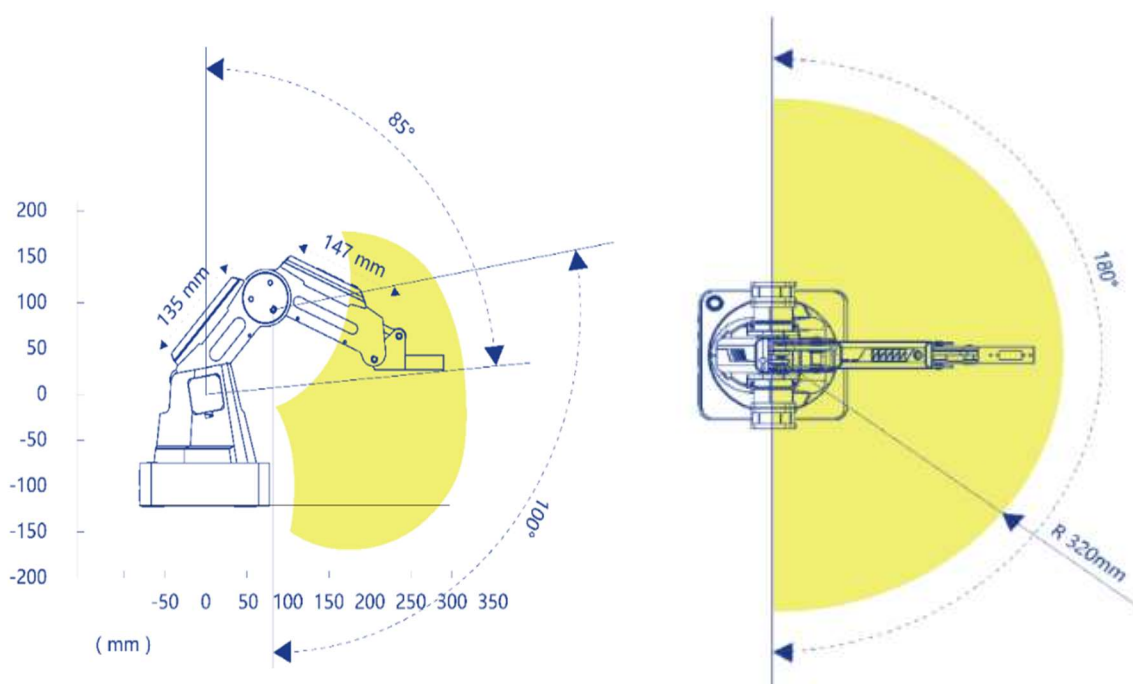
EMC and signal integrity are major concerns in the design of high-speed PCBs. While **EMScanner** allows designers to easily locate emission by placing the PCB on its flat surface, the **EMProbe** allows users to test the component side of the PCB and adjust the height of the scan.

This enables the design engineers to diagnose EMC/EMI problems limited only by the choice of the Spectrum Analyser and the Near Field Probe and allows them to visualize the root causes of potential EMC and EMI problems of a non-flat surface or of a complete product.



ADDITION: *EMProbe Extension – X Axis increase reach to 900mm.*

WORKSPACE



FEATURES AND SPECIFICATIONS

Capability	Spectral scan, spatial scan, peak-hold, continuous scanning, spectral and spatial comparison, scripting, limit lines and report generation.
Supported Spectrum Analysers	All Spectrum Analyzers, which is SCPI based will be detected by the EMViewer software. For more information, please contact enquiries@yictechnologies.com
Supported Operating Systems	Windows 11®
Supported CAD overlays	Standard Gerber® JPEG and PNG
Max Frequency coverage	Up to 14GHz with the supplied Y.I.C. Technologies Probes
Spatial resolution	High Resolution: 7.5mm to 0.2mm
Scan area	300 mm Radius
Scan Height (Max)	150 mm Radius
Frequency accuracy of peaks	Peak marking accuracy of spectrum analyser
Probe to probe uniformity	Dependent on the selected probe
Maximum radiated power load	Dependent on spectrum analyser and the probe performance
Operating temperature	From 15° C to 40° C (continuous spectral and spatial scans at 50 MHz)
NET Weight	3.40Kg (Excluding cables and the adaptor)

INCLUDED PROBES

Y.I.C. Technologies **NFP**Set

NFP Hxy 10B00	10 KHz – 300 MHz
NFP Hxy 20B00	100 KHz – 1.4 GHz
NFP Hz 40B00	1 GHz – 14 GHz
NFP Hxy 60B00	1 GHz – 14 GHz
NFP E 00B00	1.6 GHz – 18 GHz

www.yictechnologies.com
If you can **see** it, you can **fix** it!