

CTK Series Scan EM Pre-Compliance Probes (Distribution)

Product Summary

Three different, self-contained, sets of easy to use pen-sized probes to locate and evaluate E-field or H-field noise on a circuit board, a wire, chassis or completed system. One set is also a self-training system, and includes a selection of RF adapters with cable and test board with known faults. Proves operation of Ferrites, Shielding, Absorbers and other EMI/RFI remedies during test.

Product Application

Our line of 3 sets of Pre-Compliance probes is designed to allow the engineer or technician to pinpoint, without additional RF equipment, the exact sources of EMI. Detects E and H-fields separately, with no cords, no power supply or amps. Uses audio tone changes (with squelch to establish null point) and an LED light bar to indicate relative changes in field strength. Output to signal analyzer or scope if desired, no disturbance of circuit under test, no need to touch the circuit. This is true non-contact diagnosis, a few hours spent using these tools before lab-based compliance testing can save days and dollars.



Product Technical Data

CTK-031 Compliance Engineering Kit is the full probe set with training board, storage case, adapters, batteries, adapter cable and manual.

- E-field(electric) probe = 2MHz-2GHz, H-field(magnetic) probe = 1MHz-1GHz.

CTK-015 comprises the full probe set (as above) with cable, instruction manual and storage case.

CTK-019 is the QC/FCC set of probes with cable, instruction manual and storage case.

- E-field = 2MHz-1GHz, H-field = 150KHz-30MHz.

CTK Series Scan EM Pre-Compliance Probes (Distribution) (Cont.)

Parameter:	Content	CTK-031 ScanEM-C	CTK-015 ScanEM-C	CTK-019 ScanEM-QC
In Kit	E-Field Probe	ScanEM-EC	ScanEM-EC	ScanEM-EQC
In Kit	H-Field Probe	ScanEM-HC	ScanEM-HC	ScanEM-HQC
Fields	E-Field Probe	Electric	Electric	Electric Radiated
Fields	H-Field Probe	Magnetic	Magnetic	Magnetic Conducted
Frequency Response	E-Field Probe	2MHz-2GHz	2MHz-2GHz	2MHz-1GHz
Frequency Response	H-Field Probe	1MHz-1GHz	1MHz-1GHz	150KHz-30MHz
RF Output	SMB Connector	Yes	Yes	Yes
DC to VOM	SMB Connector	Yes	Yes	Yes
Sensitivity (typ.)	E-Field Probe	-10dBm/(V/m)	-10dBm/(V/m)	-10dBm/(V/m)
Sensitivity (typ.)	H-Field Probe	-20dBm/mA	-20dBm/mA	-12dBm/mA
Dimensions	Each Probe	6.18" X 1.21" X 0.76"	6.18" X 1.21" X 0.76"	7.31" X 1.21" X 0.76
Weight	each	2.25oz	2.25oz	2.3oz
Battery	Included	2 x AAA	2 x AAA	2 XxAAA
INDICATIONS:				
LED Bar Graph	Indicator	5 -LED Color Level	5 -LED Color Level	5-LED Color Level
Audio Indication	Tone Pitch	Speaker	Speaker	Speaker
PC Board Level	Diagnostics	Yes	Yes	-
Product Level	Diagnostics	-	-	Yes
Signal Integrity	Application	Yes	Yes	-
Repair/Service	Application	Yes	Yes	-
Production/QA	Application	-	-	Yes
EMI Location	Application	-	-	Yes
ESD Event	Application	-	-	Yes / Analysis

CTK Series Kits available from stock - See our list of items in Distribution!

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