



Advanced Test Equipment Corp.

www.atecorp.com

800-404-ATEC (2832)

Technical Data Sheet

Anritsu envision:ensure

Isotropic EMF Probe

2000-1985-R

20 MHz to 40 GHz



EMF Probe Features and Performance Data

Anritsu introduces the three-axis 2000-1985-R isotropic EMF probe for measuring all EMF power within the 20 MHz to 40 GHz band. The 2000-1985-R EMF probe connects to any USB port on a Field Master Pro™ MS2090A with Option 445, which reports the measured power as a percentage of FCC (public or technician) or ICNIRP (public or technician) regulatory limits.

Features

Probe Technology	Diode
Frequency Correction Factors	Stored in Memory
Control	USB
Power Supply	USB
Calibration Interval	2 years (recommended)

Performance

Frequency Range	20 MHz to 40 GHz
Frequency Response	±2 dB (20 MHz to 17 GHz) ±3 dB (>17 GHz to 40 GHz)
Dynamic Range	1 V/m to 1000 V/m (CW) 1 V/m to 55 V/m (RMS)
Linearity	±2 dB (1 V/m to 2 V/m) ±1 dB (>2 V/m to 250 V/m)
Isotropy	±1 dB (20 MHz to 12 GHz) ±2 dB (>12 GHz to 40 GHz)
Temperature Response	+0.1 dB / -1 dB (relative to 20 °C)
MTBF	>100 000 hours
Maximum Field Strength	1200 V/m (destruction limit)

Regulatory Compliance

European Union	EMC 2014/30/EU, EN 61326-1:2013, CISPR 11/EN 55011, IEC/EN 61000-4-3/4/5/6/8/11 Low Voltage Directive 2014/35/EU Safety EN 61010-1:2010 RoHS Directive 2015/863/EU ROHS 3
Australia and New Zealand	RCM AS/NZS 4417:2012
South Korea	KCC-REM-A21-0004

Environmental

Operating Temperature Range	-20 °C to +50 °C
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Warranty

Duration	Standard three-year warranty
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Size and Weight

Dimensions	300 mm length (440 mm with handle) 60 mm antenna head diameter
Weight	95 g without handle

Notes

Training at Anritsu

Anritsu has designed courses to help you stay up to date with technologies important to your job. For available training courses, visit: www.anritsu.com/training



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