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PMM

PMM 8053B

Field Probes Catalog

PMM 8053B measurement system is complete with a series of electric and magnetic field probes in the frequency range from 5 Hz to 40 GHz.

Field Probes	Frequency range	Level range
Electric Field Probe EP-105	100 kHz - 1000 MHz	0.05 - 50 V/m
Electric Field Probe EP-183	1 MHz – 18 GHz	0.8 - 800 V/m
Electric Field Probe EP-201	60 MHz – 12 GHz	3 – 500 V/m
Electric Field Probe EP-300	100 kHz - 3 GHz	0.1 - 300 V/m
Electric Field Probe EP-301	100 kHz - 3 GHz	1 - 1000 V/m
Electric Field Probe EP-330	100 kHz - 3 GHz	0.3 - 300 V/m
Electric Field Probe EP-333	100 kHz – 3.6 GHz	0.15 - 300 V/m
Electric Field Probe EP-33A	925 MHz - 960 MHz	0.03 - 30 V/m
Electric Field Probe EP-33B	1805 MHz - 1880 MHz	0.03 - 30 V/m
Electric Field Probe EP-33C	2110 MHz - 2170 MHz	0.03 - 30 V/m
Electric Field Probe EP-33M	700 MHz - 3 GHz	0.3 - 300 V/m
Electric Field Probe EP-408	1 MHz – 40 GHz	0.8 - 800 V/m
Electric Field Probe EP-44M	100 kHz - 800 MHz	0.25 - 250 V/m
Electric Field Probe EP-600	100 kHz – 9.25 GHz	0.14 – 140 V/m

Electric Field Probe EP-601	10 kHz – 9.25 GHz	0.5 – 500 V/m
Electric Field Probe EP-602	5 kHz – 9.25 GHz	1.5 – 1500 V/m
Electric Field Probe EP-645	100 kHz – 6.25 GHz	0.35 –450 V/m
Electric Field Probe EP-745	100 kHz – 7 GHz	0.35 – 450 V/m
Magnetic Field Probe HP-032	0.1 - 30 MHz	0.01 - 20 A/m
Magnetic Field Probe HP-050	10 Hz – 5 kHz	10 nT – 40 μT
Magnetic Field Probe HP-051	10 Hz – 5 kHz	50 nT – 200 μT
Magnetic Field Probe HP-102	30 - 1000 MHz	0.01 - 20 A/m
Electric and Magnetic Field Analyzers EHP-50C	5 Hz – 100 kHz	10 mV/m – 100 kV/m 1nT – 10 mT
Electric and Magnetic Field Analyzers EHP-200A	9 kHz – 30 MHz	0.1 V/m – 1000 V/m 3 mA/m – 300 A/m (*)

(*) The values depends on the setting of the magnetic field. See EHP200 A specifications.

Some specifications in this catalog are a summary.
Please, contact our offices to have a full description, complete specifications and all information about a specific product.

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Electric Field Probe EP-105

Frequency range	100 kHz - 1000 MHz
Level Range	0.05 - 50 V/m
Overload	> 100 V/m
Dynamic Range	> 60 dB
Resolution	0.01 V/m
Sensitivity	0.05 V/m
Absolute Error @ 50 MHz 6 V/m	± 0.8 dB
Flatness (10 - 300 MHz)	± 0.5 dB
Flatness (300 kHz - 1 GHz)	± 1 dB
Isotropicity	± 0.8 dB (typical ± 0.5 dB @ 930 MHz)
H field rejection	> 20 dB
Temperature error	0.05 dB/°C
Calibration	Internal into E^2PROM
Size	350 mm length, 133 mm diameter
Weight	290 g

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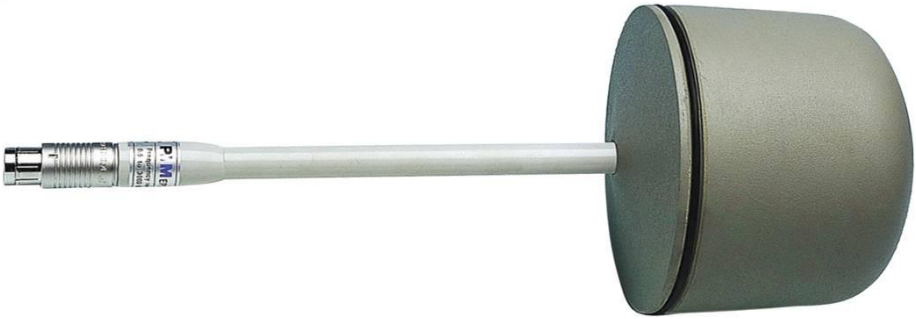

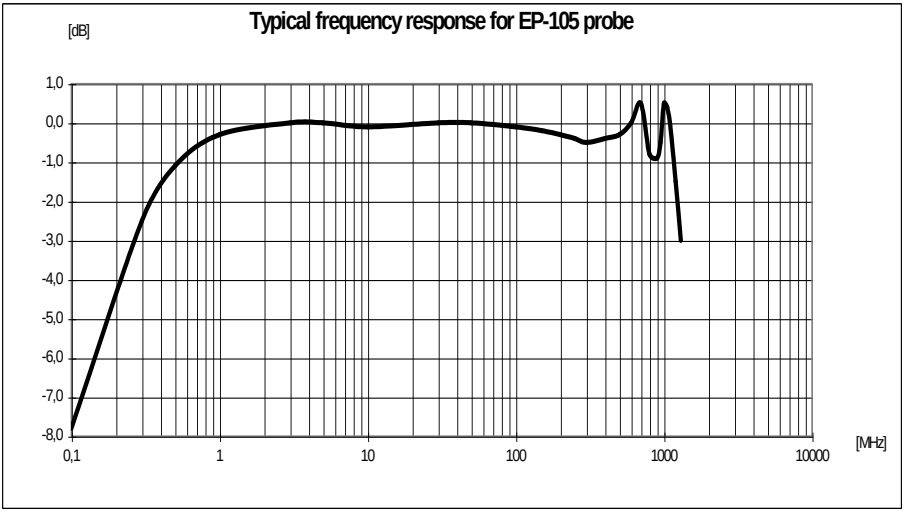

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Electric Field Probe EP-183

Frequency range	1 MHz - 18 GHz
Level Range	0.8 - 800 V/m
Overload	> 1200 V/m
Dynamic Range	> 60 dB
Resolution	0.01 V/m
Sensitivity	0.8 V/m
Absolute Error @ 200 MHz 6 V/m	± 0.8 dB
Flatness (1 MHz - 1 GHz)	± 1.5 dB
Flatness (1 - 3 GHz)	± 2.0 dB
Flatness (3 - 18 GHz)	± 2.5 dB
Isotropicity @200 MHz	± 0.8 dB (typical ± 0.5 dB @ 930 and 1800 MHz)
H field rejection	> 20 dB
Temperature error	0.02 dB/°C
Calibration	Internal into E^2PROM
Size	317 mm length, 50 mm diameter
Weight	90 g

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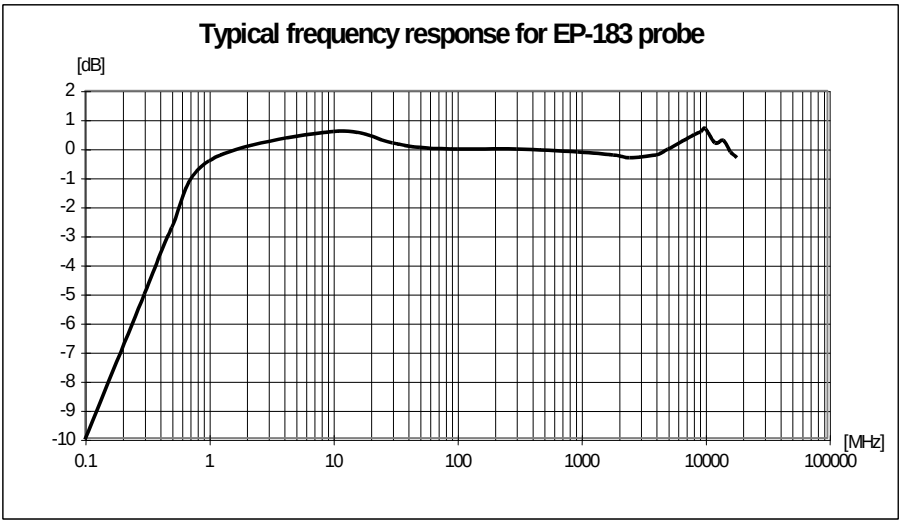

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Electric Field Probe EP-201

Frequency range	60 MHz – 12 GHz
Level Range	3 – 500 V/m
Overload	> 1200 V/m
Dynamic Range	> 45 dB
Resolution	0.1 V/m
Sensitivity	8 V/m (instantaneous with filter 10 Hz) 3 V/m (RMS or AVG 30 sec, filter 10 Hz)
Flatness @ 40 V/m	± 1.5 dB(150 MHz – 9.25 GHz) ± 3 dB (60 MHz – 12 GHz)
Isotropicity @ 40 V/m @ 200 MHz	± 0.6 dB
H-field rejection	> 20 dB
A/D Conversion	one converter for every axis
Calibration	On board EEPROM
Microcontroller	On board
Volume sensor	3 mm diameter sphere
Size Tube	180mm length x 4 mm diameter
Size	300 mm length x 18 mm diameter
Weight	85 g

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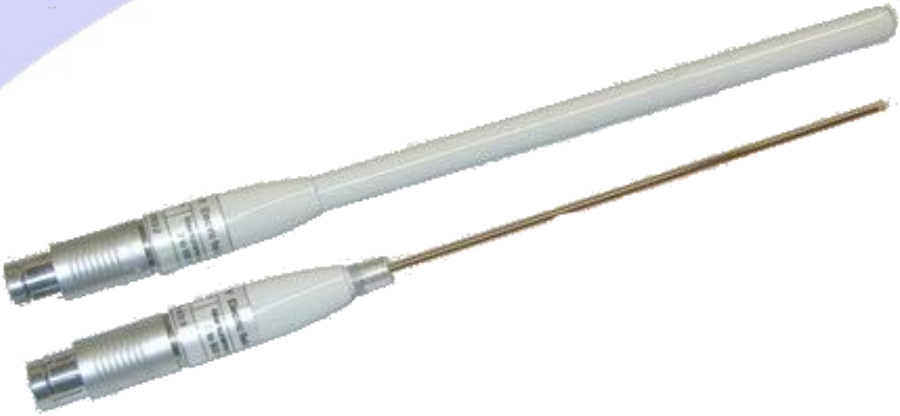

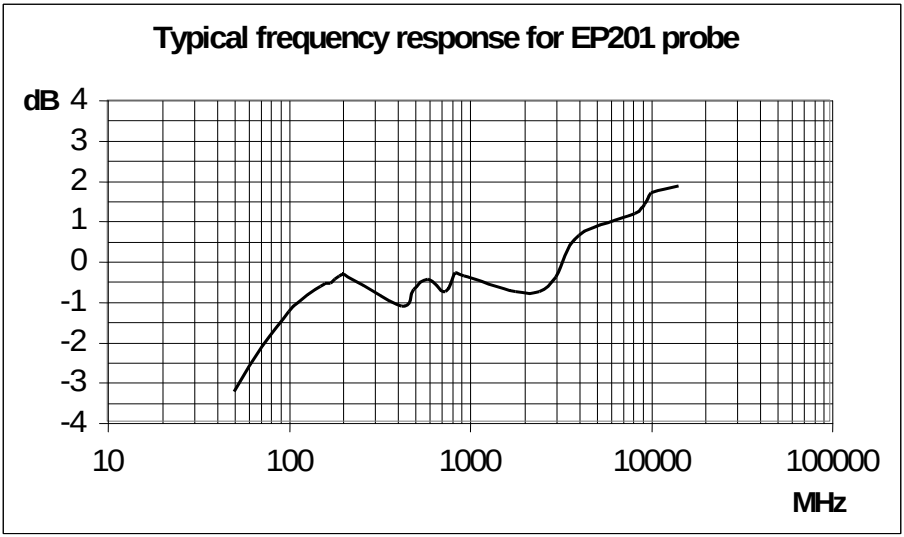

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Electric Field Probe EP-300

Frequency range	100 kHz - 3 GHz
Level Range	0.1 - 300 V/m
Overload	> 600 V/m
Dynamic Range	> 66 dB (typical >70 dB)
Resolution	0.01 V/m
Sensitivity	0.15 V/m (typical >0.1V/m)
Absolute Error @ 50 MHz 20 V/m	± 0.8 dB
Flatness (10 - 300 MHz)	± 0.5 dB
Flatness (3 MHz - 3 GHz)	± 1.5 dB
Isotropicity	± 0.8 dB (typical ± 0.5 dB @ 1800 MHz)
H field rejection	> 20 dB
Temperature error	20°C ÷ 60°C = ± 0.1 dB 0°C ÷ 20°C = -0.05 dB/°C -20°C ÷ 0°C = -0.15 dB/°C
Calibration	Internal into E^2PROM
Size	317 mm length, 58 mm diameter
Weight	100 g

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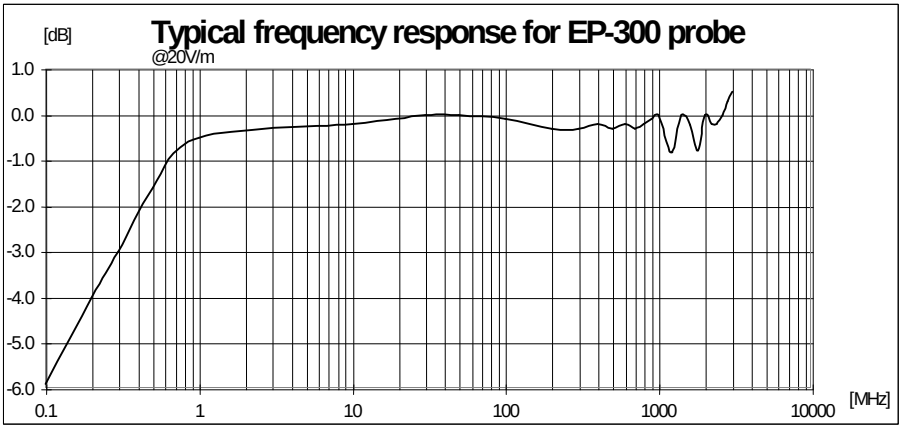

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Electric Field Probe EP-301

Frequency range	100 kHz - 3 GHz
Level Range	1 – 1000 V/m
Overload	> 1200 V/m
Dynamic Range	> 60 dB
Resolution	0.1 V/m
Sensitivity	1 V/m
Absolute Error @ 50 MHz 20 V/m	± 0.8 dB
Flatness (10 - 300 MHz)	± 0.5 dB
Flatness (3 MHz - 3 GHz)	± 1.5 dB
Isotropicity	± 0.8 dB (Typical ± 0.5 dB @ 930 and 1800 MHz)
H field rejection	> 20 dB
Temperature error	0.05 dB/°C
Calibration	Internal into E^2PROM
Size	317 mm length, 58 mm diameter
Weight	100 g

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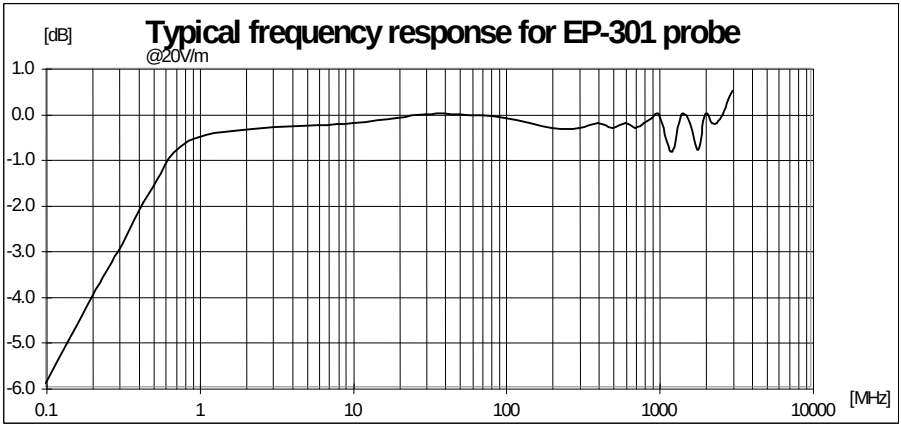

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Electric Field Probe EP-330

Frequency range	100 kHz - 3 GHz
Level Range	0.3 - 300 V/m
Overload	> 600 V/m
Dynamic Range	> 60 dB
Resolution	0.01 V/m
Sensitivity	0.3 V/m
Absolute Error @ 50 MHz 20 V/m	± 0.8 dB
Flatness (10 - 300 MHz)	± 0.5 dB
Flatness (3 MHz - 3 GHz)	± 1.5 dB
Isotropicity	± 0.8 dB (Typical ± 0.5 dB @ 930 and 1800 MHz)
H field rejection	> 20 dB
Temperature error	20°C ÷ 60°C = ±0.1 dB 0°C ÷ 20°C = -0.05 dB/°C -20°C ÷ 0°C = -0.15 dB/°C
Calibration	Internal into E^2PROM
Size	317 mm length, 58 mm diameter
Weight	100 g

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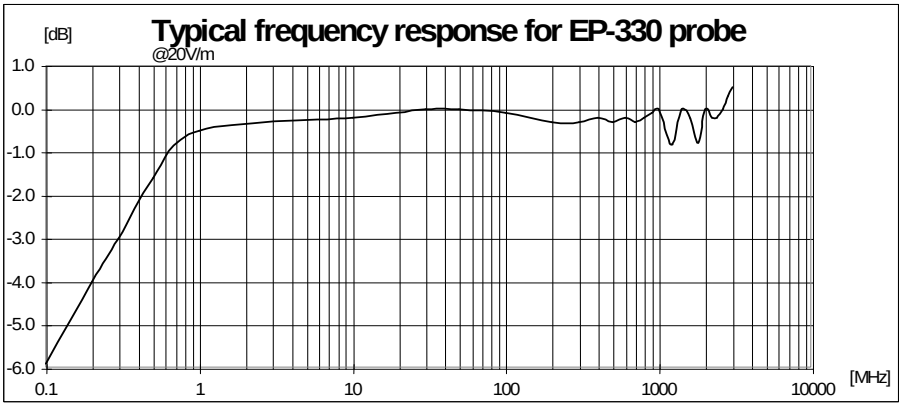

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Electric Field Probe EP-333 TRUE RMS

Frequency range	0.1 – 3600 MHz
Level Range	0.15 – 300 V/m
Overload	> 600 V/m
Dynamic Range	> 66 dB
Resolution	0.01 V/m
Sensitivity	0.15 V/m
Flatness (0.3 MHz – 3500 MHz)	3.0 dB
Flatness (3.5 MHz – 3200 MHz)	1.5 dB
Flatness (20 MHz – 500 MHz)	0.75 dB
Isotropicity	± 0.8 dB (Typical ± 0.5 dB)
H field rejection	> 20 dB
Temperature error	20°C ÷ 60°C = ±0.1 dB 0°C ÷ 20°C = -0.05 dB/°C -20°C ÷ 0°C = -0.15 dB/°C
Size	385 mm length 133 mm diameter
Weight	293 g

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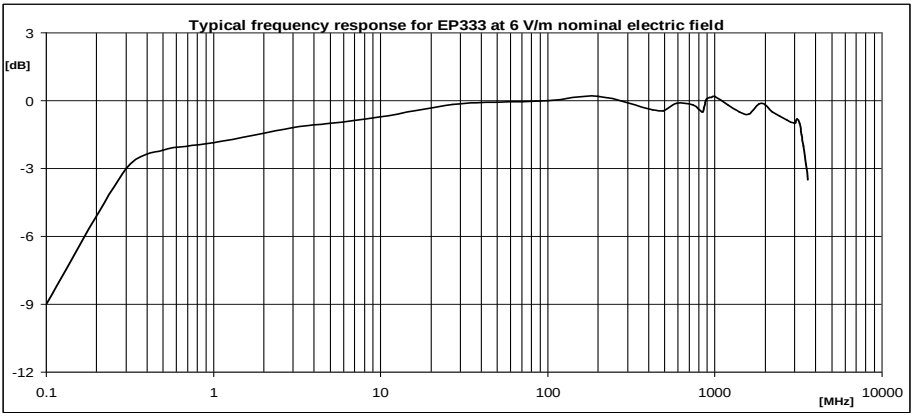

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Electric Field Probe EP-33A

Frequency range	925 MHz - 960 MHz
Level Range	0.03 – 30 V/m
Overload	> 120 V/m
Dynamic Range	> 60 dB
Resolution	0.001 V/m
Sensitivity	0.03 V/m
Absolute Error @ 942.5 MHz 2 V/m	± 1 dB
Flatness (925 - 960 MHz)	+ 0.2 dB / -1.8 dB
OFF Band attenuation respect to 942.5 MHz	860 MHz > 10 dB 1025 MHz > 10 dB
Isotropicity	± 0.8 dB (typical ± 0.5 dB)
Rejection to H field	> 20 dB
Temperature error	0°C ÷ 60°C = ±0.2 dB -20°C ÷ 0°C = -0.1 dB/°C
Drift Frequency Vs Temperature	40°C ÷ 60°C = ± 100 kHz -20°C ÷ 40°C = -100 kHz/°C
Calibration	Internal into E^2PROM
Size	317 mm length, 58 mm diameter
Weight	100 g

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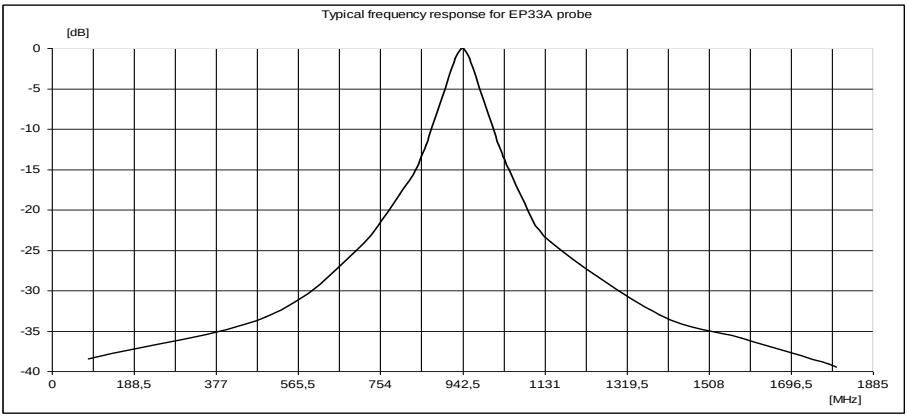

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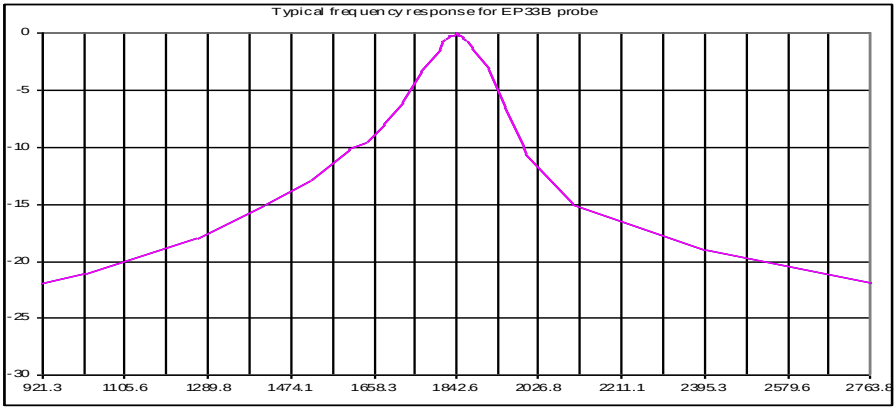
Electric Field Probe EP-33B

Frequency range	1805 MHz – 1880 MHz
Level Range	0.03 – 30 V/m
Overload	> 120 V/m
Dynamic Range	> 60 dB
Resolution	0.001 V/m
Sensitivity	0.03 V/m
Absolute Error @1842.5 MHz 2 V/m	± 1 dB
Flatness (1805 - 1880 MHz)	+ 0.2 dB / -1.8 dB
OFF Band attenuation respect to 1842.5 MHz	1580 MHz > 10 dB 2010 MHz > 10 dB
Isotropicity	± 0.8 dB (typical ± 0.5 dB)
Rejection to H field	> 20 dB
Temperature error	0°C ÷ 60°C = ±0.2 dB -20°C ÷ 0°C = -0.1 dB/°C
Drift Frequency Vs Temperature	40°C ÷ 60°C = ± 100 kHz -20°C ÷ 40°C = -100 kHz/°C
Calibration	Internal into E^2PROM
Size	317 mm length, 58 mm diameter
Weight	100 g


Typical frequency response for EP33B probe
0
-5
-10
-15
-20
-25
-30
921.3
1105.6
1289.8
1474.1
1658.3
1842.6
2026.8
2211.1
2395.3
2579.6
2763.8

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Electric Field Probe EP-33C

Frequency range	2110 MHz – 2170 MHz
Level Range	0.03 – 30 V/m
Overload	> 120 V/m
Dynamic Range	> 60 dB
Resolution	0.001 V/m
Sensitivity	0.03 V/m
Absolute Error @2140 MHz 2 V/m	± 1 dB
Flatness (2110 - 2170 MHz)	+ 0.2 dB / -1.8 dB
OFF Band attenuation respect to 2140 MHz	1880 MHz > 10 dB 2320 MHz > 10 dB
Isotropicity	± 0.8 dB (typical ± 0.5 dB)
Rejection to H field	> 20 dB
Temperature error	0°C ÷ 60°C = ±0.2 dB -20°C ÷ 0°C = -0.1 dB/°C
Drift Frequency Vs Temperature	40°C ÷ 60°C = ± 100 kHz -20°C ÷ 40°C = -100 kHz/°C
Calibration	Internal into E^2PROM
Size	317 mm length, 58 mm diameter
Weight	100 g

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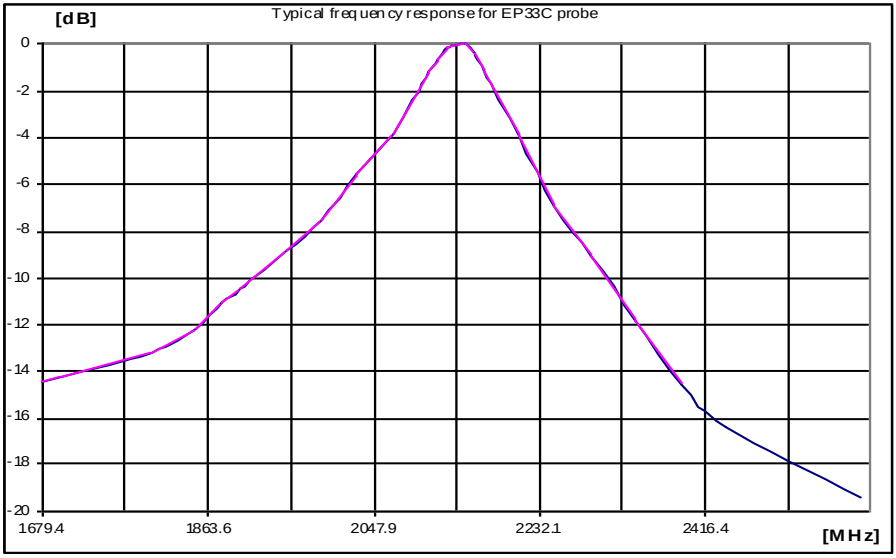

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Electric Field Probe EP-33M

Frequency range	700 MHz - 3 GHz
Level Range	0.3 - 300 V/m
Overload	> 600 V/m
Dynamic Range	> 60 dB
Resolution	0.01 V/m
Sensitivity	0.3 V/m
Absolute Error @930 MHz 20 V/m	± 1 dB
Flatness (900 MHz - 3 GHz)	± 1.5 dB
Isotropicity	± 0.8 dB (typical ± 0.5 dB @ 930 and 1800 MHz)
H-field rejection	> 20 dB
Temperature error	0.05 dB/°C
Calibration	Internal into E^2PROM
Size	317 mm length, 58 mm diameter
Weight	100 g

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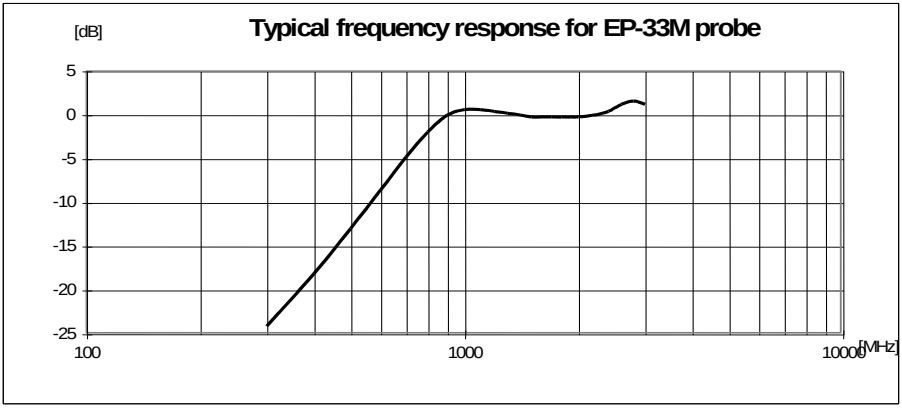

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Electric Field Probe EP-408

Frequency range	1 MHz - 40 GHz
Level Range	0.8 - 800 V/m
Overload	> 1000 V/m
Dynamic Range	> 60 dB
Resolution	0.01 V/m
Sensitivity	0.8 V/m
Absolute Error @200 MHz 6 V/m	± 0.8 dB
Flatness (1 MHz - 1 GHz)	± 1.5 dB
Flatness (1 - 3 GHz)	± 2 dB
Flatness (3 - 18 GHz)	± 2.5 dB
Flatness (18 - 26.5 GHz)	± 3 dB
Flatness (26.5 - 40 GHz)	± 4 dB
Isotropicity	± 0.8 dB (typical ± 0.5 dB @ 930 and 1800 MHz)
H-field rejection	> 20 dB
Temperature error	0.02 dB/°C
Calibration	Internal into E^2PROM
Size	317 mm length, 52 mm diameter
Weight	90 g

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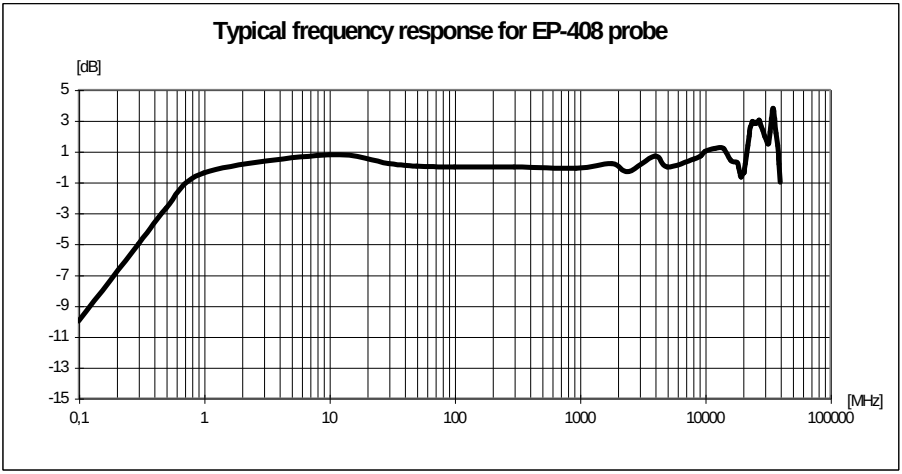

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Electric Field Probe EP-44M

Frequency range	100 kHz - 800 MHz
Level Range	0.25 - 250 V/m
Overload	> 500 V/m
Dynamic Range	> 60 dB
Resolution	0.01 V/m
Sensitivity	0.25 V/m
Absolute Error @50 MHz 6 V/m	± 0.8 dB
Flatness (10 MHz - 200 MHz)	± 1.5 dB (typical ± 0.8 dB)
Flatness (200 MHz - 800 MHz)	± 2 dB (typical ± 1.5 dB)
Isotropicity	± 0.8 dB (typical ± 0.5 dB @ 740 MHz)
Out band attenuation respect to 50 MHz 900 MHz – 3 GHz	> 12 dB (typical >15 dB)
H-field rejection	> 20 dB
Temperature error	0.02 dB/°C
Calibration	Internal into E^2PROM
Size	317 mm length, 58 mm diameter
Weight	100 g

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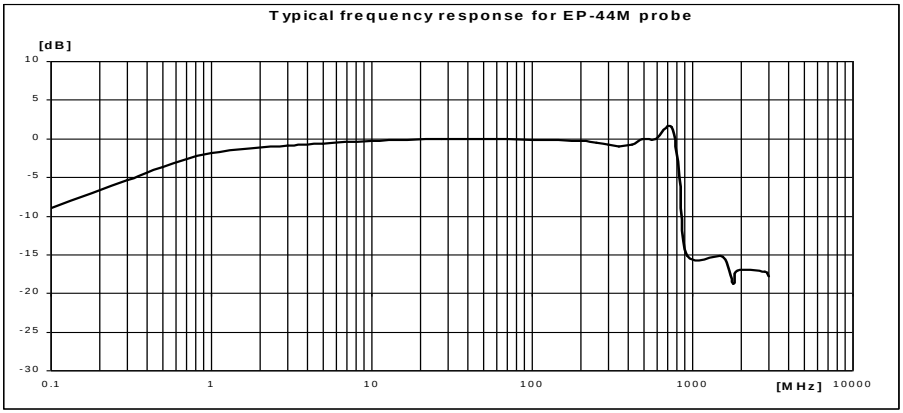

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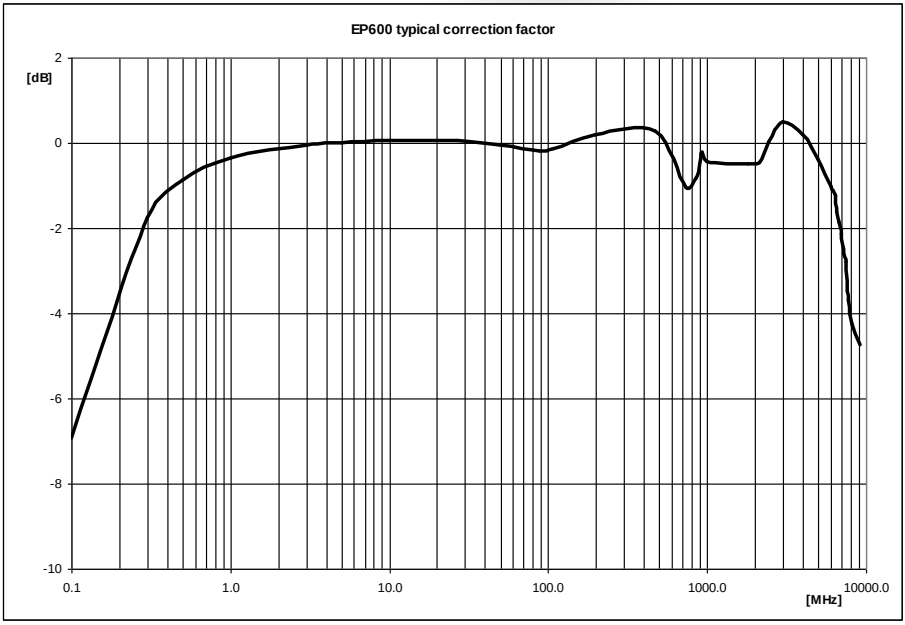
Electric Field Probe EP-600

Frequency range	100 kHz – 9.25 GHz
Level Range	0.14 – 140 V/m
Overload	> 300 V/m
Dynamic Range	> 60 dB
Linearity	0.4 dB @ 50 MHz/0.3 – 100 V/m
Resolution	0.01 V/m
Sensitivity	0.14 V/m
Flatness (1 – 150 MHz)	0.8 dB
Flatness (0.5 – 6000 MHz)	1.6 dB
Flatness (0.3 – 7500 MHz)	0.4 dB
Isotropicity	0.5 dB (0.3 dB typical @ 50 MHz)
Temperature reading	0.1 °C res
Battery	3V 5mA/h rechargeable Li-Mn
Operation Time	80 h @ 0.4 S/sec 28 Hz filter
	60 h @ 5 S/sec 28 Hz filter
Calibration	Internal into E^2PROM
Size	17 mm sphere; 17 mm sensor;
	53 mm overall
Weight	23g including FO weight (1m)
Operating temperature	-10° - +50°


EP600 typical correction factor
[dB]
2
0
-2
-4
-6
-8
-10
0.1
1.0
10.0
100.0
1000.0
10000.0
[MHz]

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Electric Field Probe EP-601

Frequency range	10 kHz – 9.25 GHz
Level Range	0.5 – 500 V/m
Overload	> 1000 V/m
Dynamic Range	> 60 dB
Linearity	0.4 dB @ 50 MHz/1 – 500 V/m
Resolution	0.01 V/m
Sensitivity	0.5 V/m
Flatness (0.1 – 150 MHz)	0.4 dB
Flatness (0.05 – 6000 MHz)	1.6 dB
Flatness (0.03 – 7500 MHz)	0.4 dB (with frequency correction On)
Isotropicity	0.5 dB (0.3 dB typical @ 50 MHz)
Temperature reading	0.1 °C res
Battery	3V 5mA/h rechargeable Li-Mn
Operation Time	80 h @ 0.4 S/sec 28 Hz filter
	60 h @ 5 S/sec 28 Hz filter
Recharge time	48h for maximum autonomy
Size	17 mm sphere; 17 mm sensor;
	53 mm overall
Weight	23g including FO weight (1m)
Operating temperature	-10° - +50°

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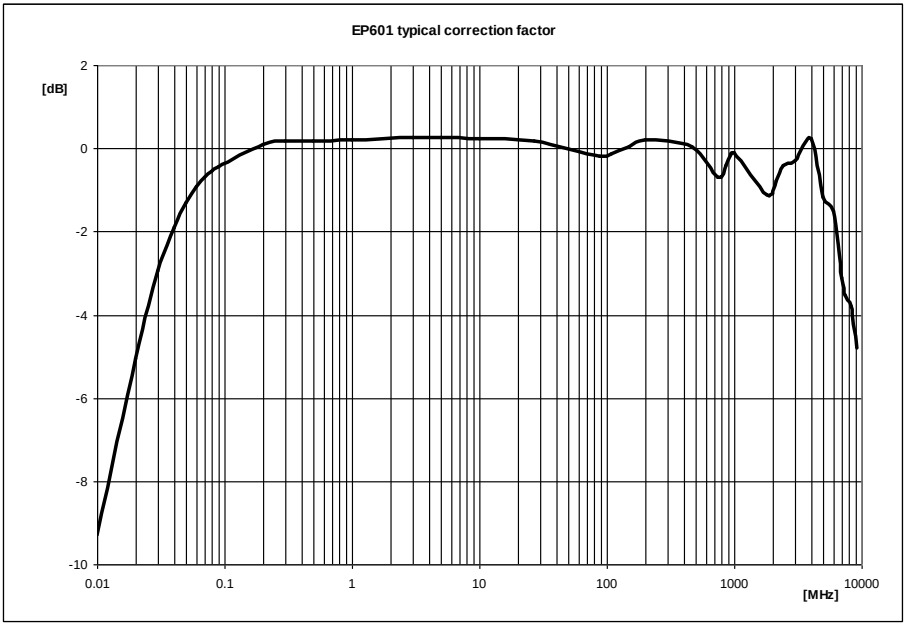

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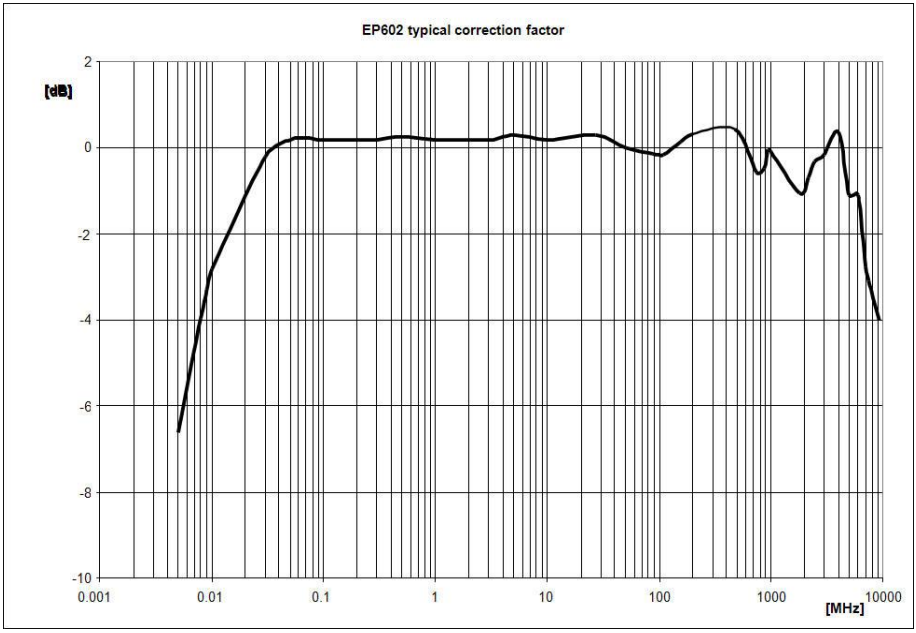
Electric Field Probe EP-602

Frequency range	5 kHz – 9.25 GHz
Level Range	1.5 – 1500 V/m
Overload	> 3000 V/m
Dynamic Range	> 60 dB
Linearity	0.4 dB @ 50 MHz/2.5 – 1000 V/m
Resolution	0.01 V/m
Sensitivity	1.5 V/m
Flatness (0.05 – 150 MHz)	0.4 dB
Flatness (0.05 – 6000 MHz)	1.6 dB
Flatness (0.03 – 7500 MHz)	0.4 dB (with frequency correction On)
Isotropicity	0.5 dB (0.3 dB typical @ 50 MHz)
Temperature reading	0.1 °C res
Battery	3V 5mA/h rechargeable Li-Mn
Operation Time	80 h @ 0.4 S/sec 28 Hz filter
	60 h @ 5 S/sec 28 Hz filter
Recharge time	48h for maximum autonomy
Size	17 mm sphere; 17 mm sensor;
	53 mm overall
Weight	23g including FO weight (1m)
Operating temperature	-10° - +50°


EP602 typical correction factor
[dB]
2
0
-2
-4
-6
-8
-10
0.001
0.01
0.1
1
10
100
1000
10000
[MHz]

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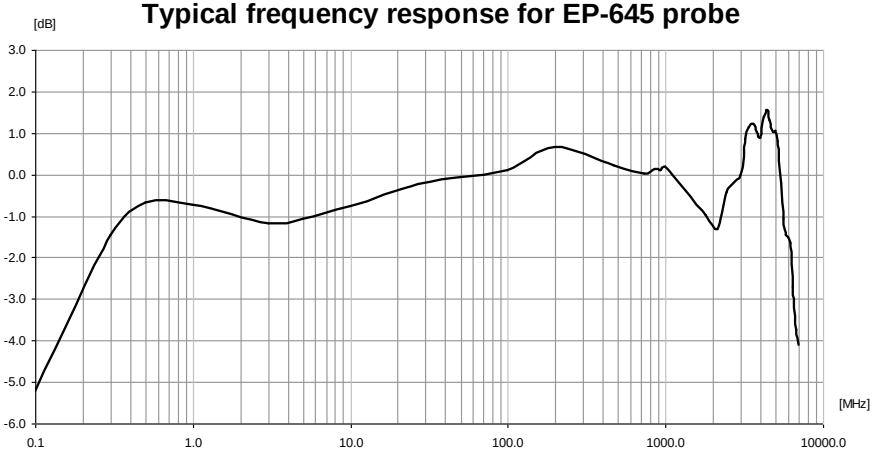
Electric Field Probe EP-645

Frequency range	(0.1) 0.3 – 6500 MHz
Level Range	0.35 – 450 V/m
Overload	> 900 V/m
Dynamic Range	> 62 dB
Resolution	0.01 V/m
Sensitivity	0.35 V/m
Flatness (3 MHz – 10 MHz)	1.5 dB
Flatness (10 MHz – 1000 MHz)	1.0 dB
Flatness (1000 MHz – 3000 MHz)	1.5 dB
Flatness (3000 MHz – 5500 MHz)	2.5 dB
Isotropicity	± 0.8 dB (Typical ± 0.5 dB)
H field rejection	> 20 dB
Temperature error	20°C ÷ 60°C = ±0.1 dB 0°C ÷ 20°C = -0.05 dB/°C -20°C ÷ 0°C = -0.15 dB/°C
Size	317 mm length 58 mm diameter
Weight	100 g

Typical frequency response for EP-645 probe



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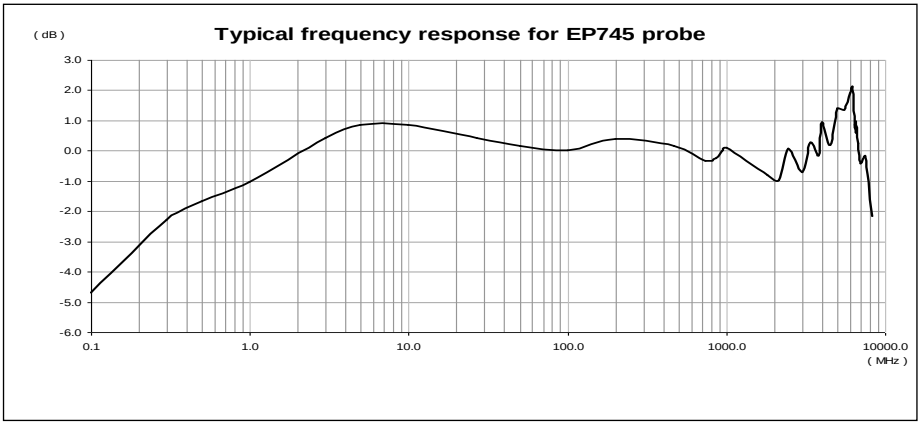
Electric Field Probe EP-745

Frequency range	0.1 – 7000 MHz
Level Range	0.35 – 450 V/m
Overload	> 900 V/m
Dynamic Range	> 62 dB
Resolution	0.01 V/m
Sensitivity	0.35 V/m
Flatness (3 MHz – 10 MHz)	1.5 dB
Flatness (10 MHz – 1000 MHz)	1.0 dB
Flatness (1000 MHz – 3000 MHz)	1.5 dB
Flatness (1000 MHz – 6000 MHz)	1.5 dB
Isotropicity	± 0.8 dB (Typical ± 0.5 dB)
H field rejection	> 20 dB
Temperature error	20°C ÷ 60°C = ±0.1 dB 0°C ÷ 20°C = -0.05 dB/°C -20°C ÷ 0°C = -0.15 dB/°C
Size	317 mm length 58 mm diameter
Weight	100 g


Typical frequency response for EP745 probe
(dB)
3.0
2.0
1.0
0.0
-1.0
-2.0
-3.0
-4.0
-5.0
-6.0
0.1
1.0
10.0
100.0
1000.0
10000.0
(MHz)

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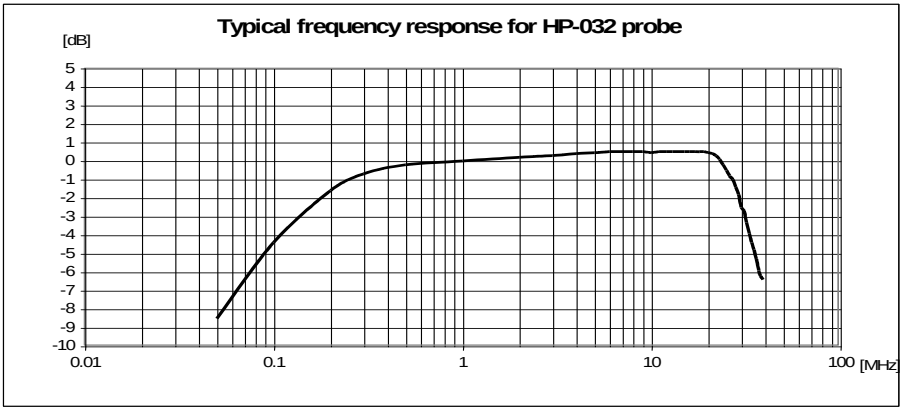
Magnetic Field Probe HP-032

Frequency range	0.1 - 30 MHz
Level Range	0.01 - 20 A/m
Overload	> 40 A/m
Dynamic Range	> 60 dB
Resolution	1 mA/m
Sensitivity	0.01 A/m
Absolute error @ 1 MHz 2 A/m	± 1 dB
Flatness (1 -25 MHz)	± 1 dB
Isotropicity	± 0.8 dB (Typical ± 0.5 dB @ 1 MHz)
E field rejection	> 20 dB
Temperature error	0.05 dB/°C
Calibration	Internal into E^2PROM
Size	350 mm length, 133 mm diameter
Weight	400 g


Typical frequency response for HP-032 probe
[dB]
5
4
3
2
1
0
-1
-2
-3
-4
-5
-6
-7
-8
-9
-10
0.01
0.1
1
10
100
[MHz]

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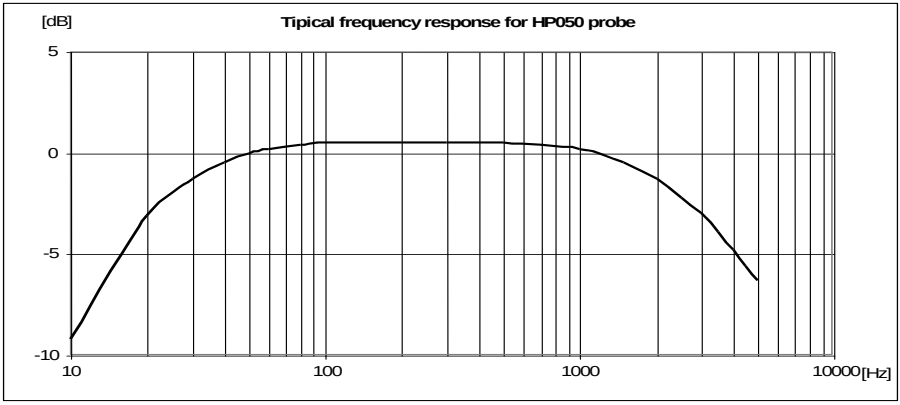
Magnetic Field Probe HP-050

Frequency range	10 Hz – 5 kHz
Level Range	10 nT – 40 µT
Overload	400 µT
Dynamic Range	> 72 dB
Resolution	1 nT
Sensitivity	10 nT
Absolute error @ 50 Hz 200 nT	± 0.4 dB
Flatness (40 Hz – 1kHz)	± 1 dB
Isotropicity@ 50 Hz 200 nT	± 0.3 dB
E field rejection	> 20 dB
Temperature error	0.015 dB/°C
Calibration	Internal into E^2PROM
Size	350 mm length, 133 mm diameter
Weight	400 g


[dB]
Tipical frequency response for HP050 probe
5
0
-5
-10
10
100
1000
10000
[Hz]

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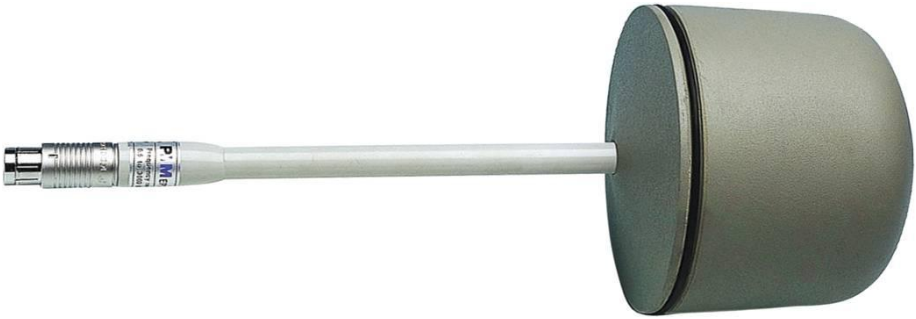
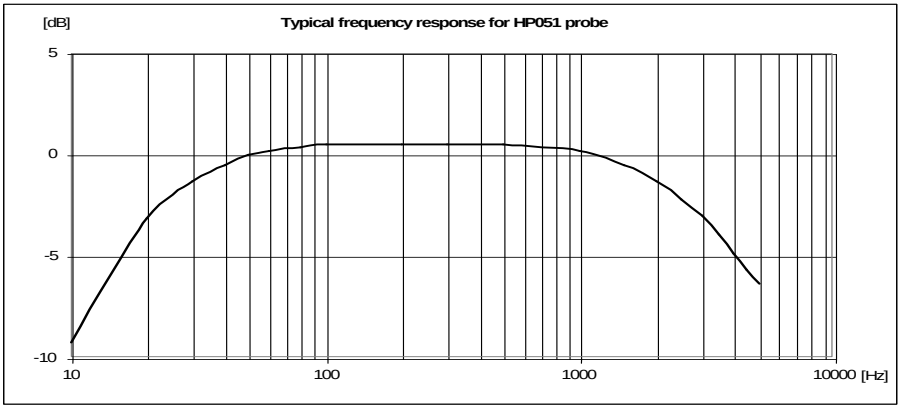
Magnetic Field Probe HP-051

Frequency range	10 Hz – 5 kHz
Level Range	50 nT – 200 µT
Overload	400 µT
Dynamic Range	> 72 dB
Resolution	1 nT
Sensitivity	50 nT
Absolute error @ 50 Hz 3 µT	± 0.4 dB
Flatness (40 Hz – 1kHz)	± 1 dB
Isotropicity@ 50 Hz 3 µT	± 0.3 dB
E field rejection	> 20 dB
Temperature error	0.015 dB/°C
Calibration	Internal into E^2PROM
Size	350 mm length, 133 mm diameter
Weight	400 g




[dB]
Typical frequency response for HP051 probe
5
0
-5
-10
10
100
1000
10000 [Hz]

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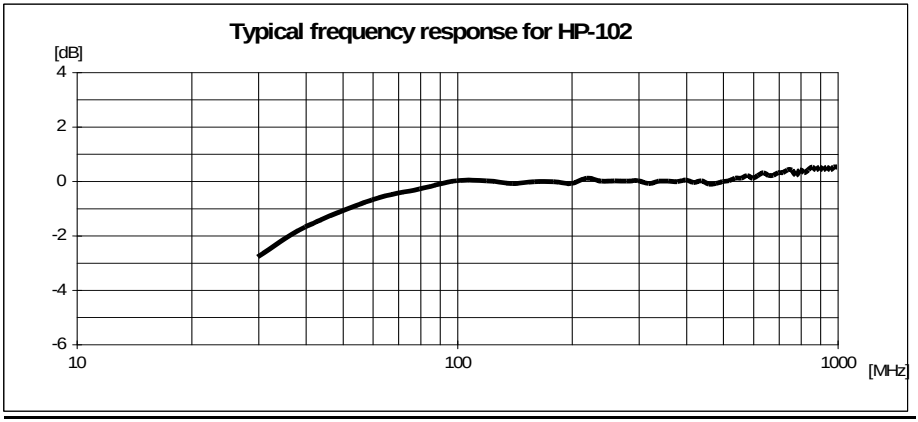
Magnetic Field Probe HP-102

Frequency range	30 - 1000 MHz
Level Range	0.01 - 20 A/m
Overload	> 40 A/m
Dynamic Range	> 60 dB
Resolution	1 mA/m
Sensitivity	0.01 A/m
Absolute error @ 50 MHz 2 A/m	± 1 dB
Flatness (50 - 900 MHz)	± 1 dB
Isotropicity	± 0.8 dB (typical ± 0.5 dB @ 930 MHz)
E field rejection	> 20 dB
Temperature error	0.05 dB/°C
Calibration	Internal into E^2PROM
Size	350 mm length, 133 mm diameter
Weight	400 g


Typical frequency response for HP-102
[dB]
4
2
0
-2
-4
-6
10
100
1000
[MHz]

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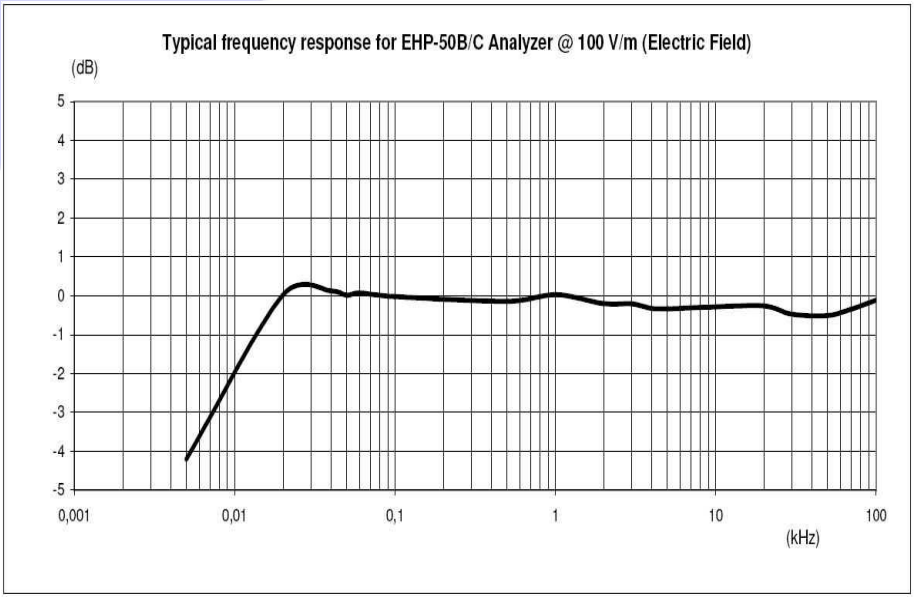
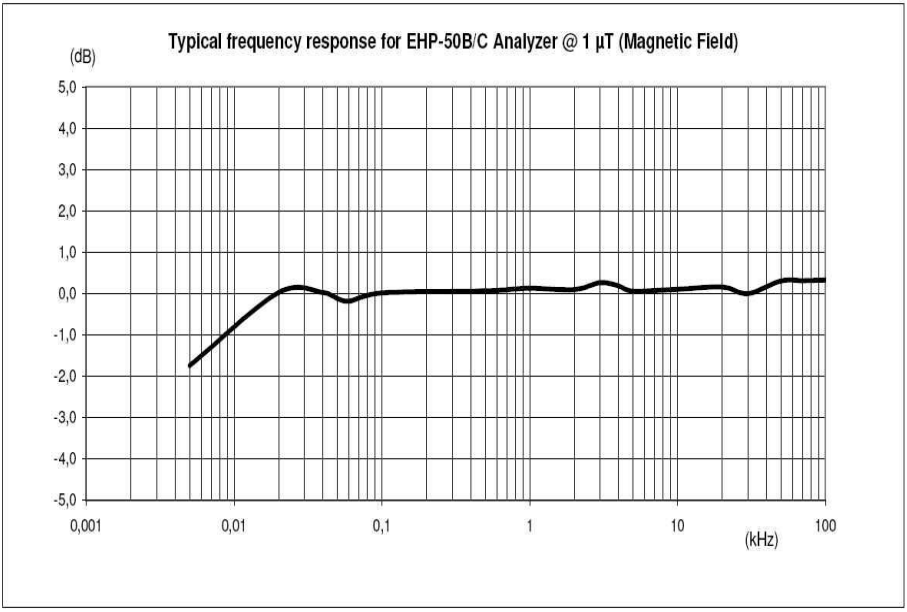
Electric Magnetic Field Analyzer EHP-50C

	Electric Field	*Magnetic Field*
Frequency range	5 Hz – 100 kHz	
Level Range	0.01 V/m – 100 kV/m	1 nT – 10 mT
Overload	200 kV/m @ 50 Hz	20 mT @ 50 Hz
Dynamic	> 140 dB	
Sensitivity	0.01 V/m	1 nT
Absolute error	± 0.5dB (@ 50Hz and 1kV/m)	±0.5dB (@ 50 Hz and0.1 mT)
Flatness (40 Hz – 10 kHz)	± 0.5 dB	± 0.5 dB
Linearity @ 50 Hz	± 0.2 dB (1 V/m – 100 kV/m)	± 0.2 dB (200 nT – 10 mT)
Internal memory	1440 data with 1 minute storing; 2880 data with 30 sec storing. The data can be transferred only to PC	
Internal data logger	1 measurement every 30 or 60 seconds	
Temperature deviation	+/- 0.05 dB between 20% and 50% + 0.01 dB/°C between +23 and +50°C	
Humidity deviation	+/- 0.05 dB between 20% and 50% + 0.05 dB/% between 50% and 80%	

Size	92 x 92 x 109 mm
Weight	525 g
Operating time	>10 hours in normal mode >150 hours in low-power mode 24 hours with internal data logger
Recharging time	< 4 hours
SPAN	100 Hz, 200 Hz, 500 Hz, 1 kHz, 2 kHz, 10 kHz, 100 kHz
Operational temperature	-10°C to +50°C


Typical frequency response for EHP-50B/C Analyzer @ 100 V/m (Electric Field)
(dB)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0,001
0,01
0,1
1
10
100
(kHz)


Typical frequency response for EHP-50B/C Analyzer @ 1 µT (Magnetic Field)
(dB)
5,0
4,0
3,0
2,0
1,0
0,0
-1,0
-2,0
-3,0
-4,0
-5,0
0,001
0,01
0,1
1
10
100
(kHz)

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Electric Magnetic Field Analyzer EHP-200A

	Elec. Field	*Mag. Field Mode A*
Frequency range	9 kHz - 30 MHz	9 kHz - 3 MHz
Meas. Range Preamp ON	0,1 ÷ 1000 V/m 0,02 ÷ 200 V/m	30 mA/m - 300 A/m 6 mA/m - 60 A/m
Resolution	0.01 V/m	1 mA/m
Sensitivity Preamp ON	0.01 V/m 0.02 V/m	30 mA/m 6 mA/m
Flatness	0.5 dB 100 kHz - 27 MHz @ 20 V/m	0.8 dB 150 kHz - 3 MHz @ 150 mA/m

	AUX Input	*Mag. Field Mode B*
Frequency range	9 kHz - 30 MHz	300 kHz - 30 MHz
Meas. Range Preamp ON	-80 ÷ 0 dBm -94 ÷ -14 dBm	3 mA/m - 30 A/m 0.6 mA/m - 6 A/m
Resolution	0.01 dBm	0.1 mA/m
Sensitivity Preamp ON	-80 dBm -94 dBm	3 mA/m 0.6 mA/m
Flatness	0.4 dB @ -20 dBm	0.8 dB 300 kHz - 27 MHz @ 53 mA/m

Anisotropicity @ 1 Mhz	0.8 dB (only elec. and mag. Field)
Linearity @ 1 MHz	0,5 dB from FS to –60 dBFS
Span	0 to FULL SPAN
RBW	1 kHz – 3 kHz – 10 kHz – 30 kHz 100 kHz – 300 kHz
Rejection to E fields	> 20 dB (only for Mag. Mode)
Rejection to H fields	> 20 dB (only for Mag. Mode)
Temperature Error	0,02 dB/°C
Dimensions	92 x 92 x 109 mm
Weight	550 g
Preamplifier	selectable ON/OFF, 14dB
Units	V/m, A/m, uT, mW/cm^2, W/m^2
Internal Battery	3,7 V - 5,5 Ah Li-Ion rechargeable
Operation	> 12 hours
Recharging Time	< 8 hours
Optical fiber connection	up to 40 m (USB-OC) up to 80 m (8053-OC)
Operating Temperature	-10°C to +50°C

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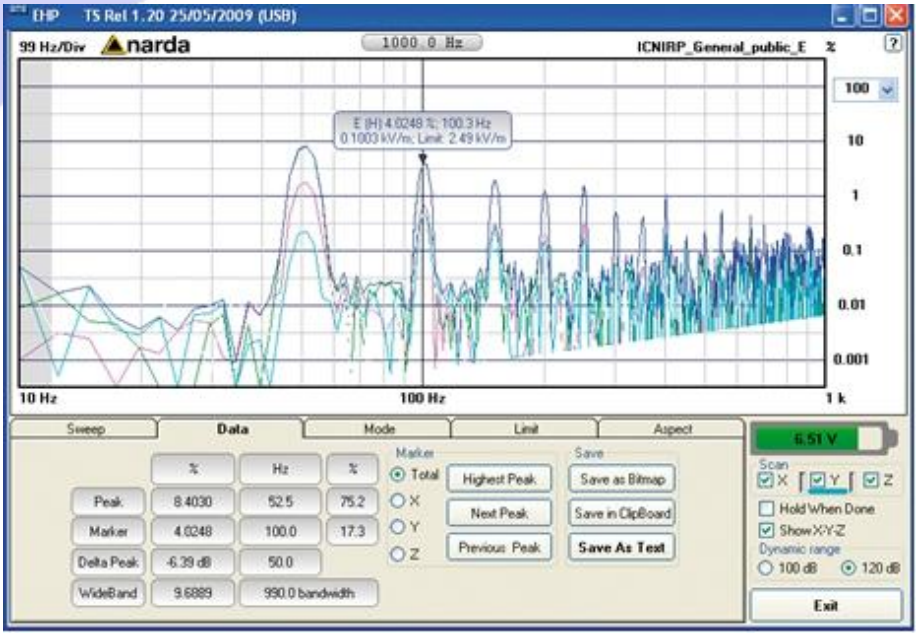

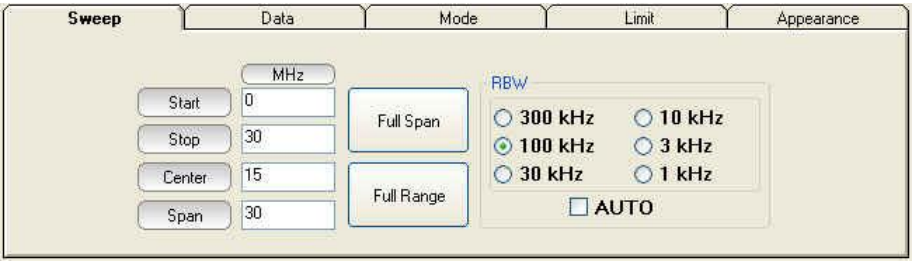

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PMM

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