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HF Antennas

Rod Antenna HFH 2-Z1

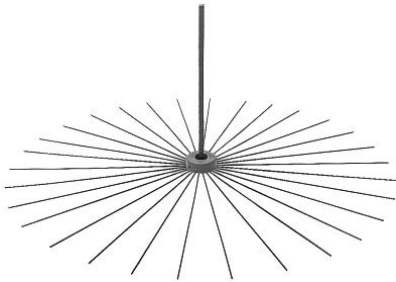


Photo 28081-3

Broadband active rod antenna for use as a general-purpose receiving antenna and for measuring the electrical field-strength components, preferably for open-area measurements.

Loop Antenna HFH 2-Z2

Broadband active loop antenna for measuring the magnetic field-strength components.



Photo 28024

Inductive Probe HFH 2-Z4

Inductive probe for the assessment of the magnetic field-strength components.



Photo 28826

Rod Antenna HFH 2-Z6

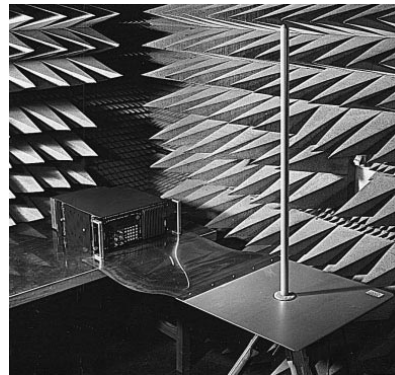


Photo 36487-1

Broadband active rod antenna for measuring the electrical component of emitted EMI in test setups to MIL-STD-461/462 and similar MIL standards.

Power Supply HZ-9



Photo 38647

Power supply for feeding the active Antennas HFH2-Z1/Z2/Z6 if these antennas cannot be powered from the test receiver.

Specifications in brief: HZ-9

Output voltages	$\pm 10\text{ V} \pm 0.5\%$
Min. current load	100 mA
DC connector	12-contact Tuchel female
AC supply	100 to 240 V, $-15/+10\%$
Dimensions (W x H x D)	125 mm x 70 mm x 188 mm
Weight	1.5 kg

Ordering information HZ-9

Power Supply for	
Active Antennas HZ-9	0816.1015.02

Specifications in brief

	Rod Antenna HFH 2-Z1	Loop Antenna HFH 2-Z2	Inductive Probe HFH 2-Z4	Rod Antenna HFH 2-Z6
Frequency range	9 kHz to 30 MHz	9 kHz to 30 MHz	100 kHz to 30 MHz	9 kHz to 30 MHz
Antenna factor k, referred to 1/m	10/20 dB, selectable	20 dB (E field)	80 dB (E field)	10/20 dB, selectable
Accuracy	1 dB	1 dB	6 dB	1 dB
Measurement range (IF bandw. 200 Hz, AV ind.)				
Lower limit, frequency-dependent	+15 to -10 dB($\mu\text{V}/\text{m}$)	9 kHz to 1 MHz: +40 to +10 dB($\mu\text{V}/\text{m}$) 1 to 30 MHz: +10 to +5 dB($\mu\text{V}/\text{m}$)	50 dB($\mu\text{V}/\text{m}$) (=0 dB($\mu\text{A}/\text{m}$))	+15 to -18 dB($\mu\text{V}/\text{m}$)
Upper limit	140 dB($\mu\text{V}/\text{m}$) 130 dB($\mu\text{V}/\text{m}$) (k=10 dB)	140 dB($\mu\text{V}/\text{m}$)	>190 dB($\mu\text{V}/\text{m}$) (=140 dB($\mu\text{A}/\text{m}$))	140 dB($\mu\text{V}/\text{m}$) 130 dB($\mu\text{V}/\text{m}$) (k=10 dB)
Connectors				
RF	BNC female, 50 Ω	BNC female, 50 Ω	BNC male, 50 Ω	BNC female, 50 Ω
Supply and coding (antenna factor)	12-contact Tuchel female	12-contact Tuchel female	12-contact Tuchel male	12-contact Tuchel female
Length of connecting cables	10 m	10 m	1 m	10 m
Current drain ($\pm 10\text{ V}$)	<40 mA	<40 mA	—	<45 mA
Dimensions	ground net dia.: 2510 mm rod height: 1092 mm	loop dia.: 590 mm	outer dia.: 50 mm height: 20 mm with cable: 0.3 kg	base: 60 x 60 mm rod height: 1000 mm without cable: 5 kg
Weight	in transit case, without cable: 8 kg	in transit case, without cable: 12 kg		
Order No.	0335.3215.52	0335.4711.52	0338.3016.52	0837.1866.54



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