

Triple-loop Antenna HM 020



HM 020 set up for measurement



Antenna height reduced

- ROHDE& SCHWARZ
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 Printed in the Fed. Rep. of Germany Subject to change Data without tolerances: order of magnitude only

- Fully automatic measurement of the magnetic fieldstrength in the X, Y and Z planes of a DUT placed at the antenna center; receiver/processor control
- Loop system suitable for mobile use and folding in one plane
- Wooden table for 100 kg load available as accessory permitting the loops to be moved freely
- Measuring method in compliance with CISPR/A (Secretariat) 103, 104, 105 and CISPR/F (Central Office) 66, 67
- Antenna providing more sensitive measurements with reduced test times and costs than those of CISPR Publication 16

Specifications

Planes O dB ref. to 1 S (to CISPR/A Secretariat] 103, 104, 105)	Frequency range	9 kHz to 30 MHz
RF connector Secretariat] 103, 104, 105) N female 50 Ω Remote control connector 9-contact subminiature D, fem terminal strip for copper foil General data Operating temperature range -10 to +55°C -40 to +70°C Safety to DIN 40050 (IEC 529) IP 23 Dimensions (W x H x D) Loops set up 2.49 m x 2.57°) m x 2.07 m Basic table, carrying capacity 100 kg 0.9 m x 1.0 m x 0.9 m Adapter table approx. 45 kg Basic table approx. 40 kg Adapter table approx. 30 kg	Loops	switchable between X, Y and Z planes
$\begin{array}{llllllllllllllllllllllllllllllllllll$	Conversion factor of current probe	
Remote control connector Ground connector 9-contact subminiature D, fem terminal strip for copper foil General data Operating temperature range -40 to +55°C -40 to +70°C Safety to DIN 40050 (IEC 529) IP 23 Dimensions (W x H x D) Loops set up 2.49 m x 2.57°) m x 2.07 m Loops folded for transport 2.68 m x 2.32 m x 0.57 m Basic table, carrying capacity 100 kg 0.9 m x 1.0 m x 0.9 m Adapter table, carrying capacity 100 kg 0.9 m x max. 0.5 m x 0.9 m Weight Loop system approx. 45 kg Basic table approx. 30 kg	RF connector	
Ground connector terminal strip for copper foil General data Operating temperature range —10 to +55°C Storage temperature range —40 to +70°C Safety to DIN 40050 (IEC 529) IP 23 Dimensions (W x H x D) Loops set up 2.49 m x 2.57°) m x 2.07 m Loops folded for transport 2.68 m x 2.32 m x 0.57 m Basic table, carrying capacity 100 kg 0.9 m x 1.0 m x 0.9 m Adapter table, carrying capacity 100 kg 0.9 m x max. 0.5 m x 0.9 m Weight Loop system approx. 45 kg Basic table approx. 45 kg Basic table approx. 30 kg	Impedance	50 Ω
Operating temperature range —10 to +55°C Storage temperature range —40 to +70°C Safety to DIN 40050 (IEC 529) IP 23 Dimensions (W x H x D) Loops set up 2.49 m x 2.57°) m x 2.07 m Loops folded for transport 2.68 m x 2.32 m x 0.57 m Basic table, carrying capacity 100 kg 0.9 m x 1.0 m x 0.9 m Adapter table, carrying capacity 100 kg 0.9 m x max. 0.5 m x 0.9 m Weight Loop system approx. 45 kg Basic table approx. 40 kg Adapter table approx. 30 kg		9-contact subminiature D, fema terminal strip for copper foil
Storage temperature range —40 to +70°C Safety to DIN 40050 (IEC 529) IP 23 Dimensions (W x H x D) Loops set up 2.49 m x 2.57*) m x 2.07 m Loops folded for transport 2.68 m x 2.32 m x 0.57 m Basic table, carrying capacity 100 kg 0.9 m x 1.0 m x 0.9 m Adapter table, carrying capacity 100 kg 0.9 m x max. 0.5 m x 0.9 m Weight 2000 with approx. 45 kg Basic table 2000 with approx. 40 kg Adapter table 2000 with approx. 30 kg	General data	
Storage temperature range —40 to +70°C Safety to DIN 40050 (IEC 529) IP 23 Dimensions (W x H x D) Loops set up 2.49 m x 2.57*) m x 2.07 m Loops folded for transport 2.68 m x 2.32 m x 0.57 m Basic table, carrying capacity 100 kg 0.9 m x 1.0 m x 0.9 m Adapter table, carrying capacity 100 kg 0.9 m x max. 0.5 m x 0.9 m Weight 2000 with approx. 45 kg Basic table 2000 with approx. 40 kg Adapter table 2000 with approx. 30 kg	Operating temperature range	-10 to +55°C
Safety to DIN 40050 (IEC 529) IP 23 Dimensions (W x H x D) Loops set up	Storage temperature range	-40 to +70°C
Dimensions (W x H x D) Loops set up 2.49 m x 2.57*) m x 2.07 m Loops folded for transport 2.68 m x 2.32 m x 0.57 m Basic table, carrying capacity 100 kg 0.9 m x 1.0 m x 0.9 m Adapter table, carrying capacity 100 kg 0.9 m x max. 0.5 m x 0.9 m Weight Loop system approx. 45 kg Basic table approx. 40 kg Adapter table approx. 30 kg	Safety to DIN 40050 (IEC 529)	IP 23
Loops folded for transport 2.68 m x 2.32 m x 0.57 m Basic table, carrying capacity 100 kg 0.9 m x 1.0 m x 0.9 m Adapter table, carrying capacity 100 kg 0.9 m x max. 0.5 m x 0.9 m Weight Loop system approx. 45 kg Basic table approx. 40 kg Adapter table approx. 30 kg	Dimensions (W x H x D)	
Basic table, carrying capacity 100 kg 0.9 m x 1.0 m x 0.9 m Adapter table, carrying capacity 100 kg 0.9 m x max. 0.5 m x 0.9 m Weight Loop system approx. 45 kg Basic table approx. 40 kg Adapter table approx. 30 kg	Loops set up	2.49 m x 2.57*) m x 2.07 m
Adapter table, carrying capacity 100 kg 0.9 m x max. 0.5 m x 0.9 m Weight Loop system approx. 45 kg Basic table approx. 40 kg Adapter table approx. 30 kg		2.68 m x 2.32 m x 0.57 m
Weight Loop system approx. 45 kg Basic table approx. 40 kg Adapter table approx. 30 kg		0.9 m x 1.0 m x 0.9 m
Loop system approx. 45 kg Basic table approx. 40 kg Adapter table approx. 30 kg	carrying capacity 100 kg	0.9 m x max. 0.5 m x 0.9 m
Basic table approx. 40 kg Adapter table approx. 30 kg		
Basic table approx. 40 kg Adapter table approx. 30 kg	Loop system	approx. 45 kg
Adapter table approx. 30 kg	Basic table	approx. 40 kg
22 N 101 N 21 S0	Adapter table	approx. 30 kg

Ordering information

Order designation	► Triple-loop Antenna HM 020 4023.4508.02
Accessories supplied Control cable (5 m)	1026.5341.05 4012.3492
Recommended extras Basic table HM020 Z1 Adapter table HM020 Z2 Calibration dipole HM020 Z3 Control unit BG020	4023.5504.02 4023.5604.02 4023.5704.02 4024.1002.02

*) Height reduced to 2.09 m (for setup in low rooms)