



ROHDE & SCHWARZ

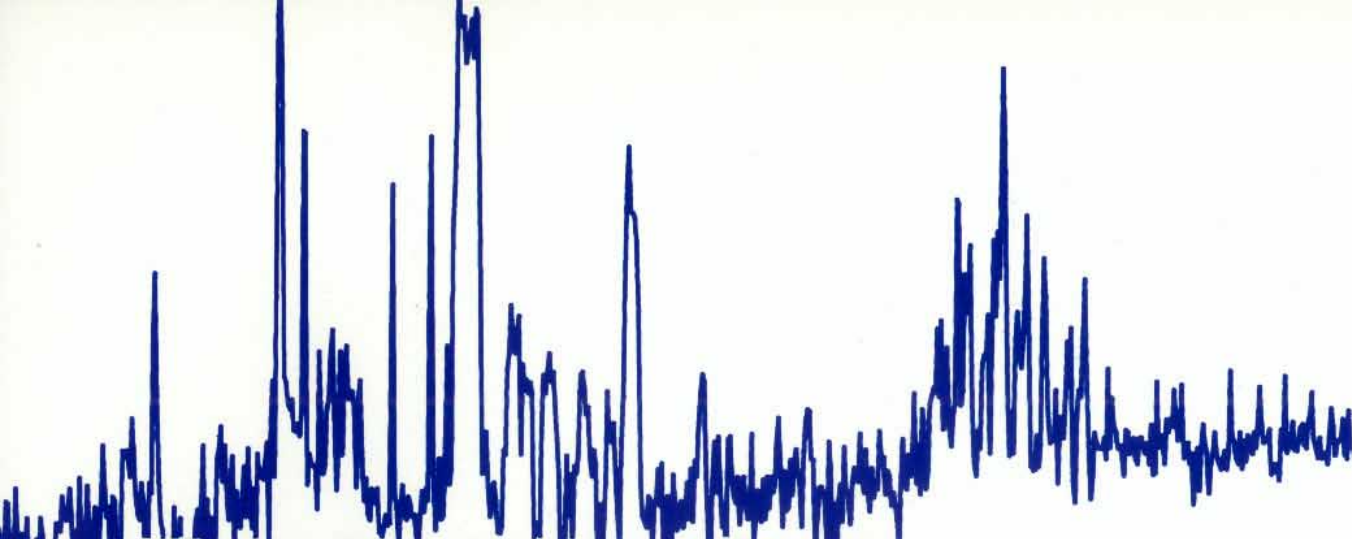
Triple-loop Antenna

9 kHz to 30 MHz

HM 020

Van Veen / Bergervoet System

Measurement of magnetic field strength
in X, Y and Z planes



Triple-loop Antenna

HM 020

- Fully automatic measurement of the magnetic field-strength 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

Frequency range	9 kHz to 30 MHz
Loops	switchable between X, Y and Z planes
Conversion factor of current probe	0 dB ref. to 1 S (to CISPR/A [Secretariat] 103, 104, 105)
RF connector	N female
Impedance	50 Ω
Remote control connector	9-contact subminiature D, female
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. 40 kg
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
Manual	4012.3492

Recommended extras

Basic table	HM020 Z1	4023.5504.02
Adapter table	HM020 Z2	4023.5604.02
Calibration dipole	HM020 Z3	4023.5704.02
Control unit	BG020	4024.1002.02

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



HM 020 set up for measurement



Antenna height reduced