



Active Version



Passive Version

Rev 1.0
13.10.2014

Magnetic Field Tracking Antenna - MDF Series

Perfect as Signal Tracker and Power Meter, Frequency Range 9kHz - 400MHz

Highlights:

- ◆ Very wide frequency range from 9kHz to 400MHz
- ◆ High conversion accuracy allows precise field strength measurements
- ◆ Perfect for magnetic field direction finding in combination with Spectrum Analyzers
- ◆ 2 passive and 3 active versions with up to 40dB Preamplifier
- ◆ Compact Design and low weight
- ◆ 10 years warranty
- ◆ Made in Germany



Made in Germany





MDF Antenna mounted on mini-tripod (included in delivery)

Compact, inexpensive, directional and highly sensitive

Aronia presents the new, high quality magnetic field tracking antennas of the MDF series, suitable for signal tracking and field strength measurement. Available in 5 different versions (2 passive, 3 active), the MDF covers an extremely broad frequency range from 9kHz to 400MHz.

Together with the MDF antennas, any regular Spectrum Analyzer transforms into a Magnetic Field Meter with tracking function in a few simple steps.

The special conversion factor of the MDF, in conjunction with a Power Meter showing dBm values, gives a direct dBA/m display with correct sign (power meter function).

Thanks to the high directionality of the antenna, the MDF is ideally suited for signal direction finding. This predestines the MDF to use as a radio direction finder or to locate illegal or unwanted interference.

Designed and manufactured in Germany, each MDF Antenna stands for highest quality standards. To illustrate this point every MDF offers a full 10 years warranty period.

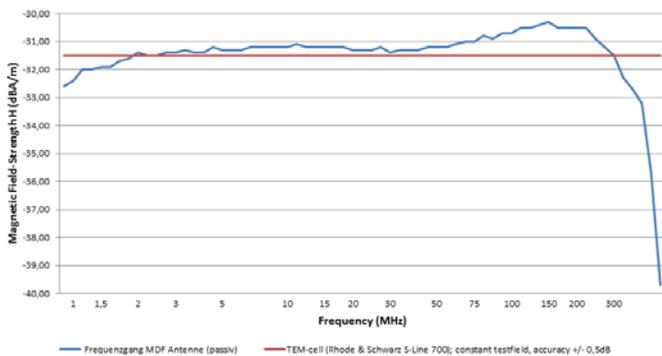
Scope of Delivery

Included in delivery is a sturdy, waterproof carrying case with foam insert (only active (X) versions) for the antenna and accessories. Furthermore, every MDF antenna comes with a detachable pistol grip with mini tripod function.

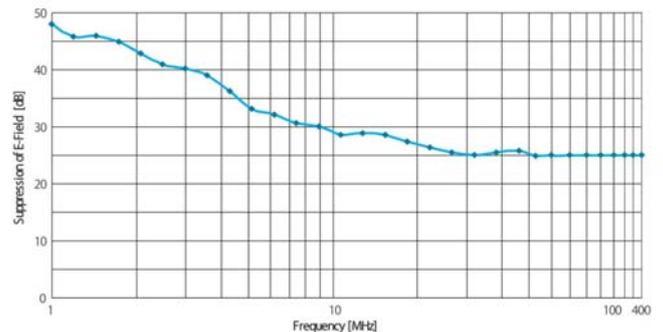


Lots of space for accessories: the watertight transport case (included in delivery with active MDF (X) versions)

Frequency Response (Power Meter Function)



E-Field Suppression



MDF 560 (Passive)

- ◆ Frequency range: **500kHz - 60MHz**
(1MHz - 40MHz with max. +/- 0,3dB deviation)
- ◆ Max. input level: **5W** (usable as transmitting antenna)
- ◆ Conversion factor: 1 (0 dB A/m is 0dBm)
- ◆ Impedance: 50 Ohm
- ◆ RF connection: SMA (female)
- ◆ Temperature range: - 40°C to +60°C
- ◆ Dimensions (L/W/D): 180 x 180 x 50 mm
- ◆ Weight: 180g
- ◆ Incl. Pistol grip with mini tripod function
- ◆ **Warranty: 10 years**

MDF 9400 (Passive)

- ◆ Frequency range: **9kHz - 400MHz**
(1MHz - 40MHz with max. +/- 0,3dB deviation)
- ◆ Max. input level: **5W** (usable as transmitting antenna)
- ◆ Conversion factor: 1 (0 dB A/m is 0dBm)
- ◆ Impedance: 50 Ohm
- ◆ RF connection: SMA (female)
- ◆ Temperature range: - 40°C to +60°C
- ◆ Dimensions (L/W/D): 180 x 180 x 50 mm
- ◆ Weight : 180g
- ◆ Incl. Pistol grip with mini tripod function
- ◆ **Warranty: 10 years**

MDF 930X (Active)

- ◆ Frequency range: **9kHz - 30MHz**
(1MHz - 25MHz with max. +/- 0,5dB deviation)
- ◆ Incl. **35dB Preamp** with Battery & USB Charger
- ◆ Impedance: 50 Ohm
- ◆ RF connection: SMA (female)
- ◆ Temperature range: - 40°C to +60°C
- ◆ Dimensions (L/W/D): 180 x 180 x 85 mm
- ◆ Weight : 360g
- ◆ Incl. Pistol grip and waterproof carrying case
- ◆ **Warranty: 10 years**

MDF 960X (Active)

- ◆ Frequency range: **9kHz - 60MHz**
(1MHz - 40MHz with max. +/- 1,0dB deviation)
- ◆ Incl. **25dB Preamp** with Battery & USB Charger
- ◆ Impedance: 50 Ohm
- ◆ RF connection: SMA (female)
- ◆ Temperature range: - 40°C to +60°C
- ◆ Dimensions (L/W/D): 180 x 180 x 85 mm
- ◆ Weight : 360g
- ◆ Incl. Pistol grip and waterproof carrying case
- ◆ **Warranty: 10 years**

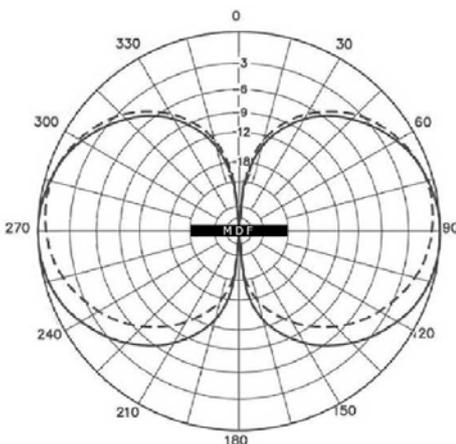
MDF 50400X (Active)

- ◆ Frequency range: **500kHz - 400MHz**
(1MHz - 40MHz with max. +/- 1,0dB deviation)
- ◆ Incl. **40B Preamp** with Battery & USB Charger
- ◆ Impedance: 50 Ohm
- ◆ RF connection: SMA (female)
- ◆ Temperature range: - 40°C to +60°C
- ◆ Dimensions (L/W/D): 180 x 180 x 85 mm
- ◆ Weight : 360g
- ◆ Incl. Pistol grip and waterproof carrying case
- ◆ **Warranty: 10 years**



Passive Version

Active (X) Version with Preamp



Typ. Antenna Pattern

