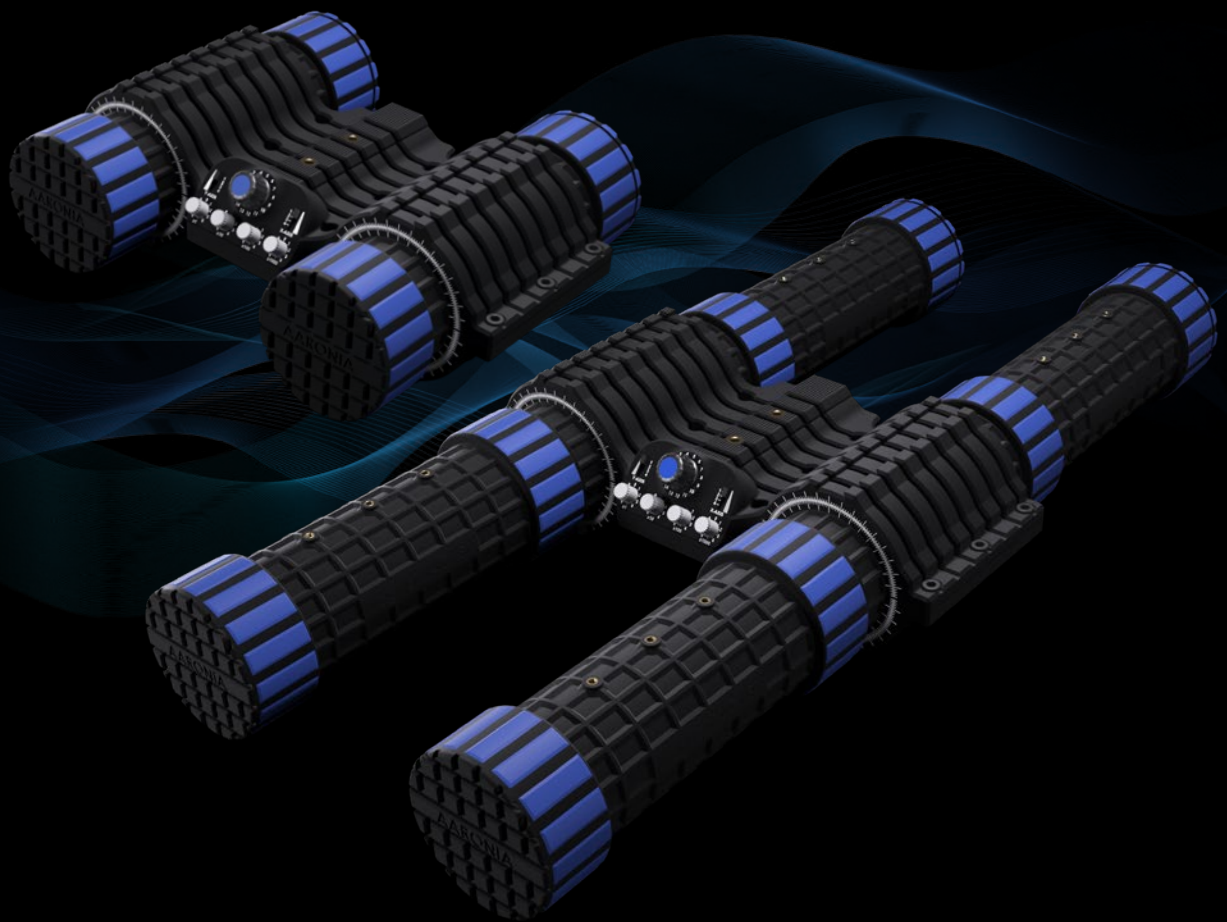


MAGNETIC FIELD ANTENNAS

MagnoTRACKER[®]

SERIES

The MagnoTRACKER can be used for frequency ranges from 1Hz to 9kHz and from 9 kHz to 1 MHz



✓ Adjustable frequency setting for higher gain and suppression of unwanted interfering signals

✓ For laboratory and field usage

✓ Perfect for signal location of low frequency magnetic fields with spectrum analyzer

✓ Highest gain, incl. internal 25dB amplifier / optional 35dB available



Specifications

MagnoTRACKER



MagnoTRACKER ELF-2

MagnoTRACKER ELF-6

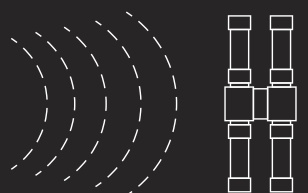
MagnoTRACKER LF-2

MagnoTRACKER LF-6

Type	Magnetic field tracker			
Frequency range	1 Hz - 9kHz	1 Hz - 9kHz	9kHz - 1MHz	9kHz - 1MHz
Bandwidth	Broadband fixed	Broadband fixed	Smallband adjustable	Smallband adjustable
Output	50 Ohm			
Connection	SMA (female)			
Tripod-Mount	3/8" with included adapter (suitable tripod: Aaronia tripod art.-no. 503/016)			
Internal pre-amplifier	25dB Version with integrated LiPo-battery (3-4hrs. runtime) and Power supply incl. Adapter Set (optional 35dB with Option 708)			
Weight	4,2kg	9kg	3kg	5kg
Length	26 cm	66 cm	26 cm	66 cm
Width	32 cm	32 cm	32 cm	32 cm
Height	11 cm	11 cm	11 cm	11 cm

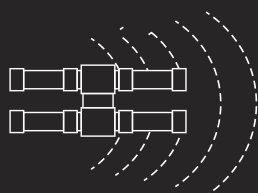
Direction finding

Far field



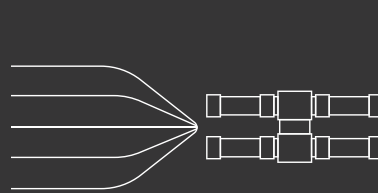
Magnetic Field

Maximum



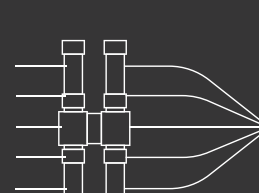
Minimum

Near field



Magnetic Field

Maximum



Minimum

Cases and scope of delivery



- MagnoTRACKER antenna with outdoor transport-case
- Tripod adapter plate with screws
- International power supply

Recommended Accessories



Multifunctional Pistol Grip

(strongly recommended)

Highly recommended for our MagnoTRACKER® antennas. Guarantees perfectly stable antenna handling.

Order/Art.-No.: 503/012

MagnoTRACKER / PowerLOG Tripod

Adjustable height, high stability. Recommended for use with MagnoTRACKER® antennas. Incl. carrying bag with loops.

3/8" tripod mount

Max. height: 157 cm

Order/Art.-No.: 503/016



GPS Logger

High end GPS logger including antenna position, speed and altitude information. 3D compass, acceleration and tilt sensor, altimeter and pressure sensor.

Order/Art.-No.: 503/035

1 m HQ measurement cable

High quality SMA (m/m) measurement cable, 1m, with tightening nuts.

Order/Art.-No.: 501/050

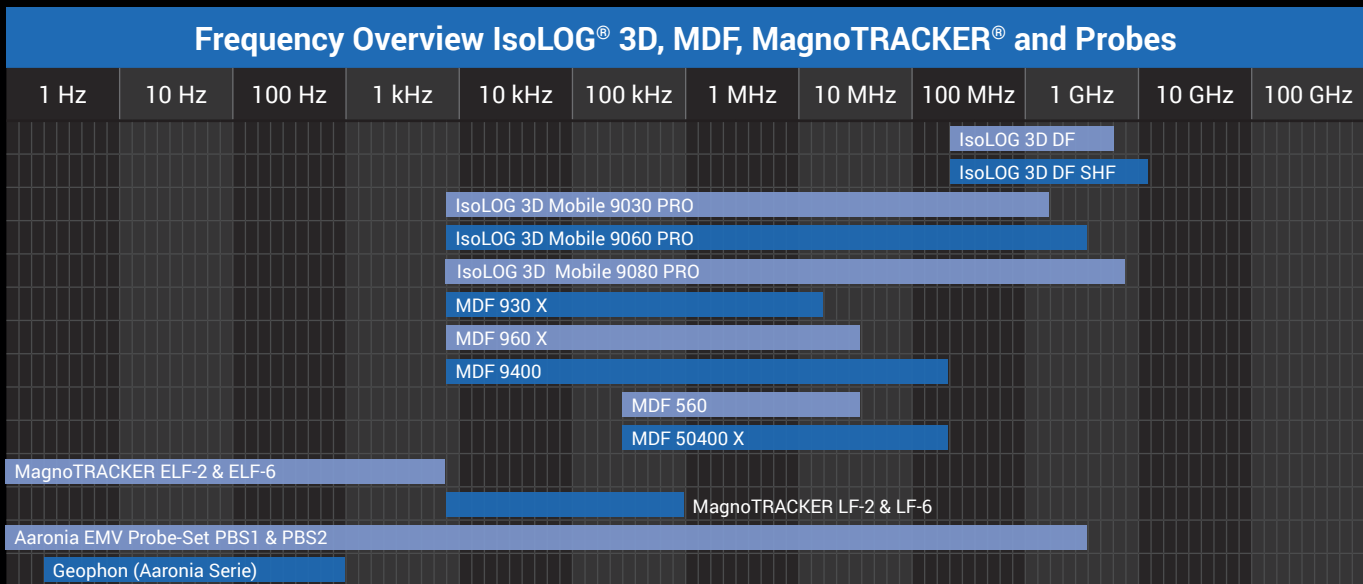
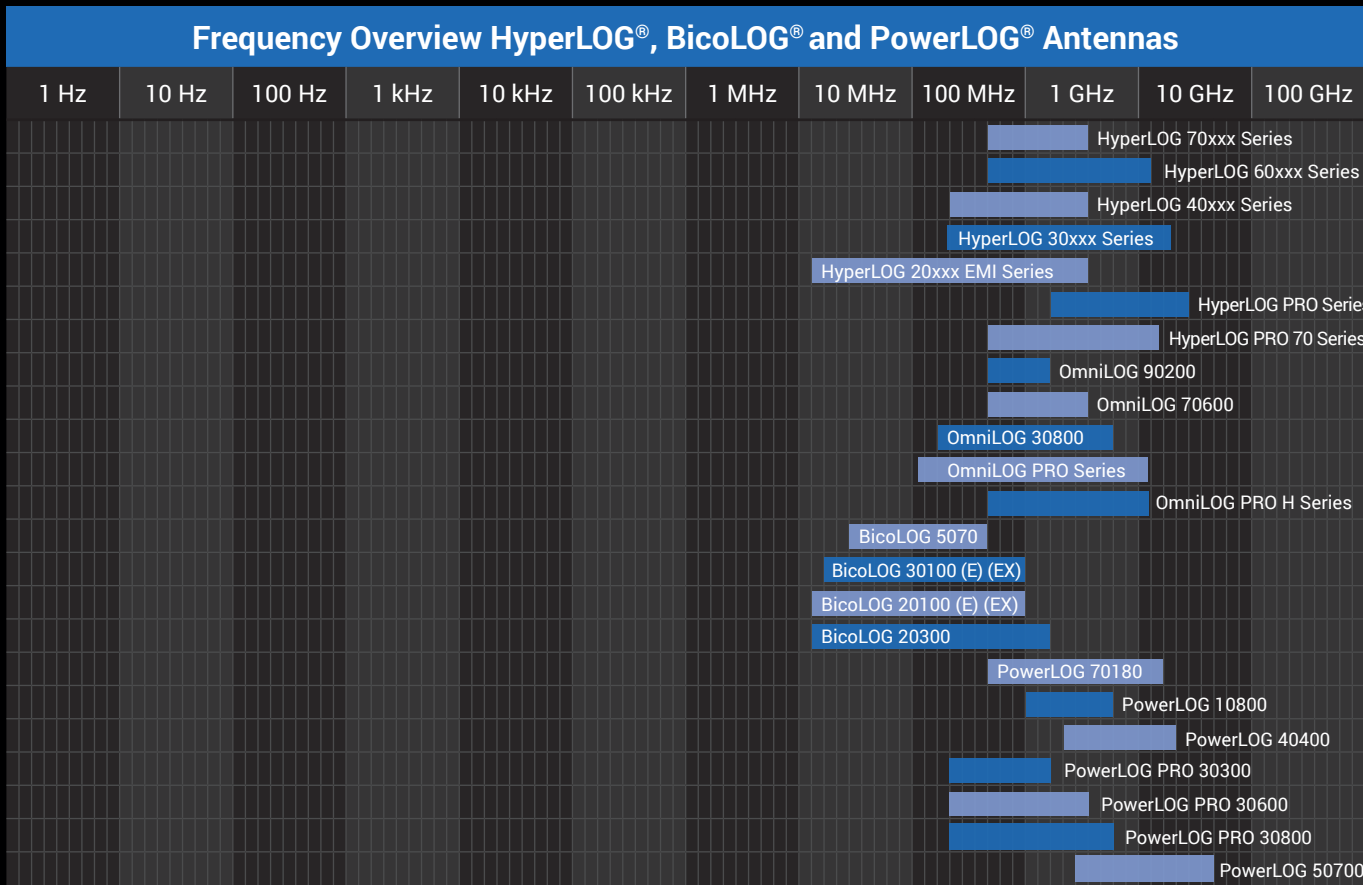


Precision Torque Wrench

Precision Torque Wrench for Aaronia analyzers, antennas and accessories as well as 3rd party products with 3.5mm, 2.92mm for correct mounting and reproducible measurement: 2.4mm, 1.85mm and SMA connectors 5/16" wrench size, 0.9 Nm torque.

Order/Art.-No.: 503/061

Frequency Overviews



Specifications as of 24.04.2023. Subject to modifications and errors.

References



Selected Aaronia Clients

Government, Military, Aeronautic, Astronautic

- NATO, Belgium
- Department of Defense, USA
- Department of Defense, Australia
- Airbus, Germany
- Boeing, USA
- Bundeswehr, Germany
- NASA, USA
- Lockheed Martin, USA
- Lufthansa, Germany
- DLR, Germany
- Eurocontrol, Belgium
- EADS, Germany
- DEA, USA
- FBI, USA
- BKA, Germany
- Federal Police, Germany
- Ministry of Defense, Netherlands

Research/Development, Science and Universities

- MIT – Physics Department, USA
- California State University, USA
- Indonesian Institute of Sciences, Indonesia
- Los Alamos National Laboratory, USA
- University of Bahrain, Bahrain
- University of Florida, USA
- University of Victoria, Canada
- University of Newcastle, United Kingdom
- University of Durham, United Kingdom
- University Strasbourg, France
- University of Sydney, Australia
- University of Athens, Greece
- University of Munich, Germany
- Technical University of Hamburg, Germany
- Max Planck Inst. for Radio Astronomy, Germany
- Max Planck Inst. for Nuclear Physics, Germany
- Research Centre Karlsruhe, Germany

Industry

- IBM, Switzerland
- Intel, Germany
- Shell Oil Company, USA
- ATI, USA
- Microsoft, USA
- Motorola, Brazil
- Audi, Germany
- BMW, Germany
- Daimler, Germany
- Volkswagen, Germany
- BASF, Germany
- Siemens AG, Germany
- Rohde & Schwarz, Germany
- Infineon, Austria
- Philips, Germany
- Thyssenkrupp, Germany
- EnBW, Germany
- CNN, USA
- Duracell, USA
- German Telekom, Germany
- Bank of Canada, Canada
- NBC News, USA
- Sony, Germany
- Anritsu, Germany
- Hewlett Packard, Germany
- Robert Bosch, Germany
- Mercedes Benz, Austria
- Osram, Germany
- DEKRA, Germany
- AMD, Germany
- Keysight, China
- Infineon Technologies, Germany
- Philips Semiconductors, Germany
- Hyundai Europe, Germany
- VIAVI, Korea
- Wilkinson Sword, Germany
- IBM Deutschland, Germany
- Nokia Siemens Networks, Germany

