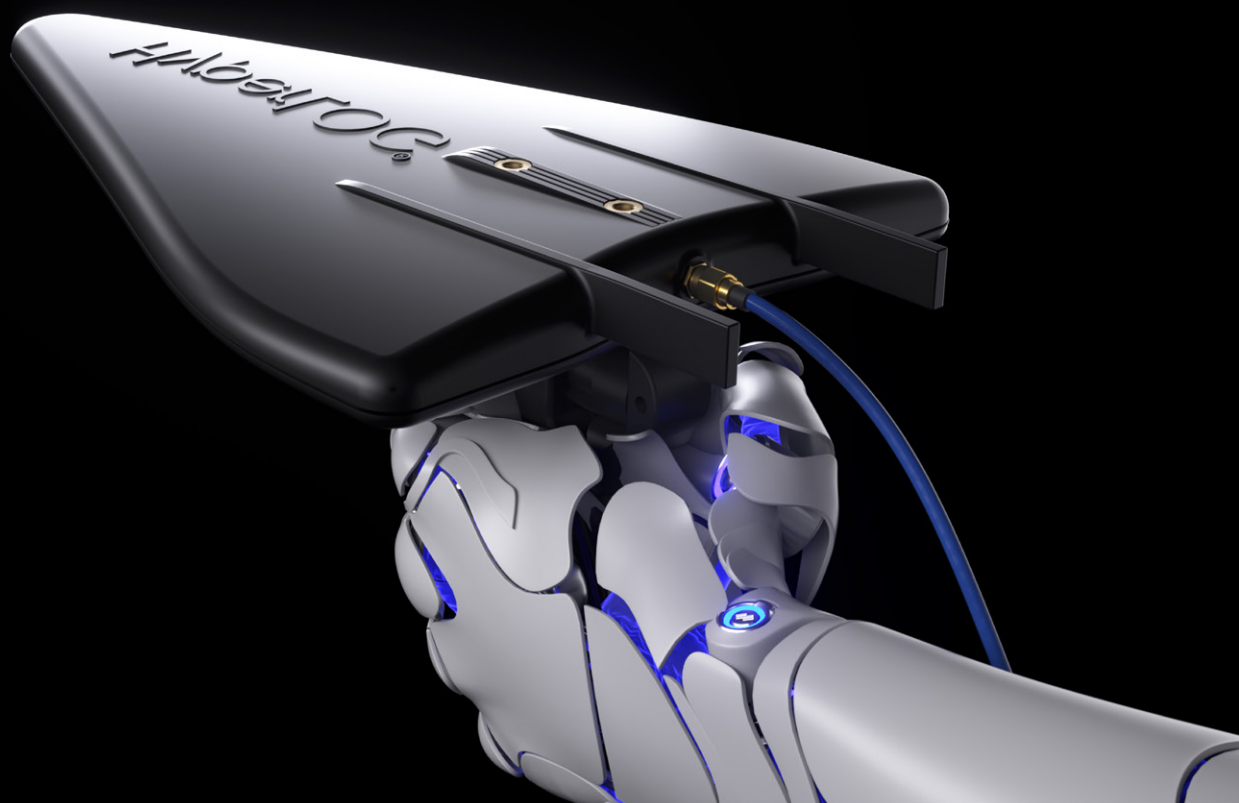


安诺尼AARONIA对数周期天线

# HYPERLOG<sup>®</sup>

PRO SERIES

HyperLOG PRO 18350是一款2 GHz-35 GHz的高性能宽频测量和测向天线



## Highlights:

- 超宽的频率带宽
- 高增益、高方向性
- 出色的前后比
- 设计坚固紧凑

**AARONIA AG**  
[www.aaronia-china.com](http://www.aaronia-china.com)

深圳市龙岗区南湾街道联李东路10号海大科技园2栋806

[www.aaronia-china.com](http://www.aaronia-china.com)



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Our HyperLOG PRO measurement-antennas offer a very flat gain response over the full frequency range under test which enables them to be the perfect measurement-tools for precision precompliance test or site survey.

## Hyperlog PRO - LPDA hybrid antennas

Because of the flat gain response the LPDA offers a very simple power (dBm) to field strength (V/m or W/m<sup>2</sup>) conversion if connected to a test receiver or spectrum analyzer. The small beam width of the test antenna offers a high directionality to easily pinpoint the radiating RF source under test.

## Testing

Every HyperLOG PRO EMC Test-Antenna goes through rigorous testing in our laboratories before dispatch and is equipped with a high quality GOLD COATING, a high-tech antenna-case (radome) which offers protection against mechanical damage and environmental influence, a top-quality integrated tripod connection and an SMA connector (18GHz version) with twist protection.

## Exhaustive Calibration data

All Aaronia compliance antennas include a complete high resolution (10MHz steps!) calibration data set with up to 533 calibration points (Excel file, download link provided). This offers the ability to make a very accurate EMC measurement with any spectrum analyzer.

## Features

- Special designed radome for perfect antenna protection
- Extremely wide bandwidth
- Excellent forward/back ratio
- Suitable for field-strength and EMC measurements due to high precision
- Compact and sturdy design
- For lab and open-field applications
- Steering compass / Laserpointer optional

## 标准配置

编号 名称与规格 数量

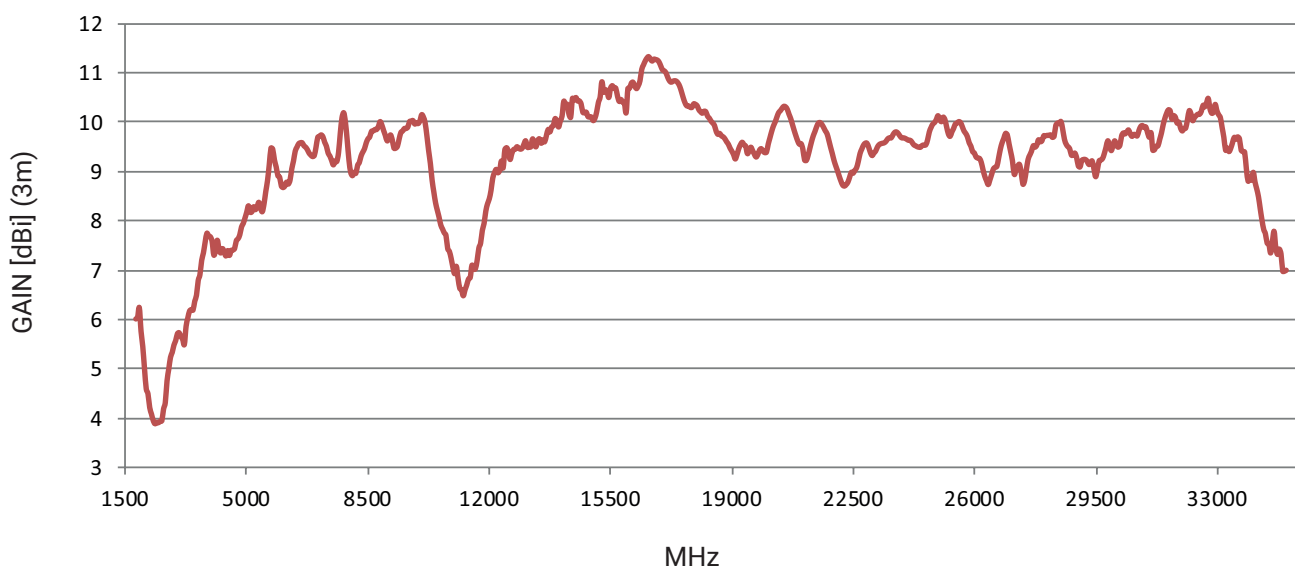
- |    |                           |   |
|----|---------------------------|---|
| 1、 | 对数周期天线 HyperLOG PRO 18350 | 1 |
| 2、 | SMA小扳手                    | 1 |
| 3、 | 手握式微型三脚架(配送)              | 1 |
| 4、 | 铝制手提箱                     | 1 |

# Specifications

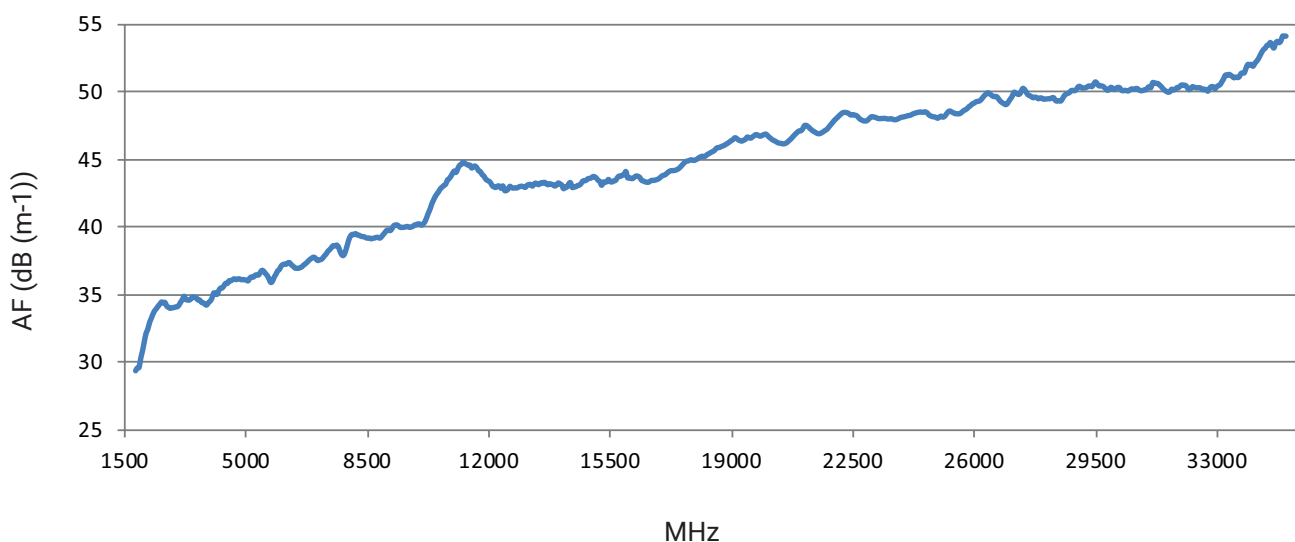
## HyperLOG® PRO 18350

尺寸 [L x W x D]	340 x 200 x 25 mm	标准阻抗	50 Ohm
重量	250 g	校准点	665 (50 MHz steps)
天线设计	对数周期偶极子混合	驻波比 (typ.)	< 2:1
增益 (typ.)	11 dBi	最大输入功率	100 W CW (400 MHz)
射频连接	2.92 mm K (f)	天线系数	29 – 54 dB/m
频率范围	2 GHz – 35 GHz	质保	2 years

Gain Diagram HyperLOG® PRO 18350



Antenna Factor Diagram HyperLOG® PRO 18350



# Recommended Accessories

## Aluminum Tripod

Height adjustable, high stability. Recommended for use with HyperLOG® antennas.

Max. height: 105 cm.

**Order/Art.-No.: 503/011**



## Multifunctional Pistol Grip

(strongly recommended)

Highly recommended for our HyperLOG® antennas. Quick and easy antenna polarization change, guarantees perfectly stable antenna handling.

**Order/Art.-No.: 503/012**

## 2 m K-Cable

Low loss phase stable high frequency cable 2m with screw aid.

2.92 K(m) - 2.92 K(m)

Frequency range: 10 MHz - 40 GHz

Diameter: 3.6 mm

**Order/Art.-No.: 501/056**

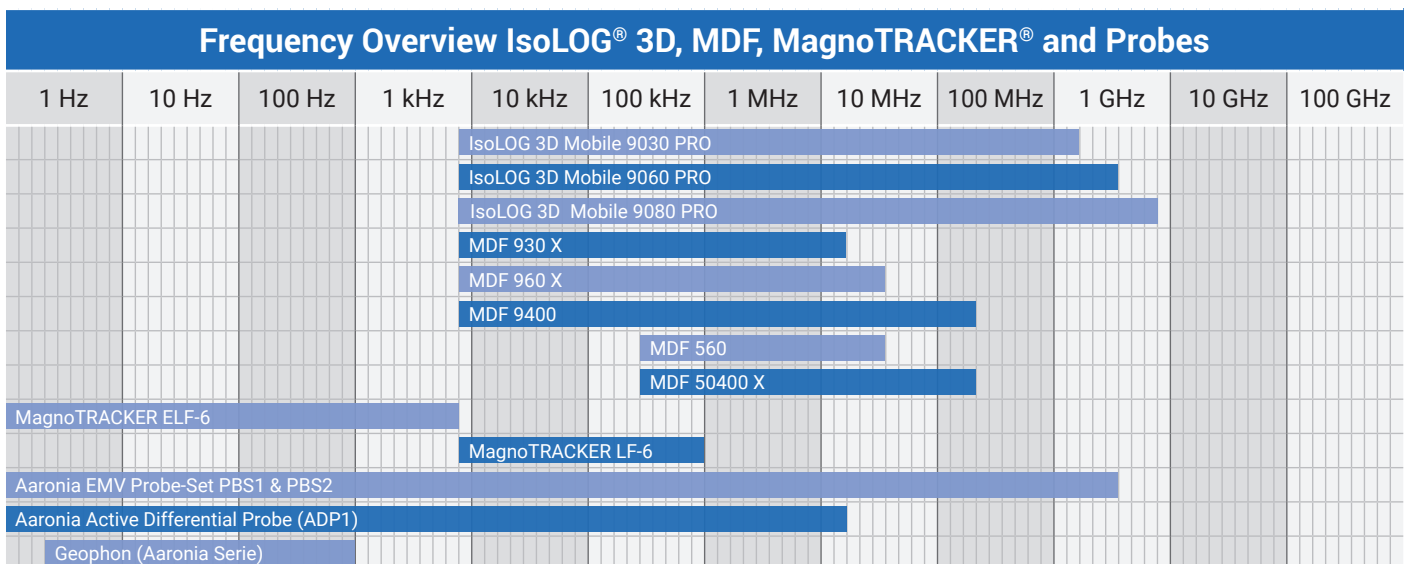
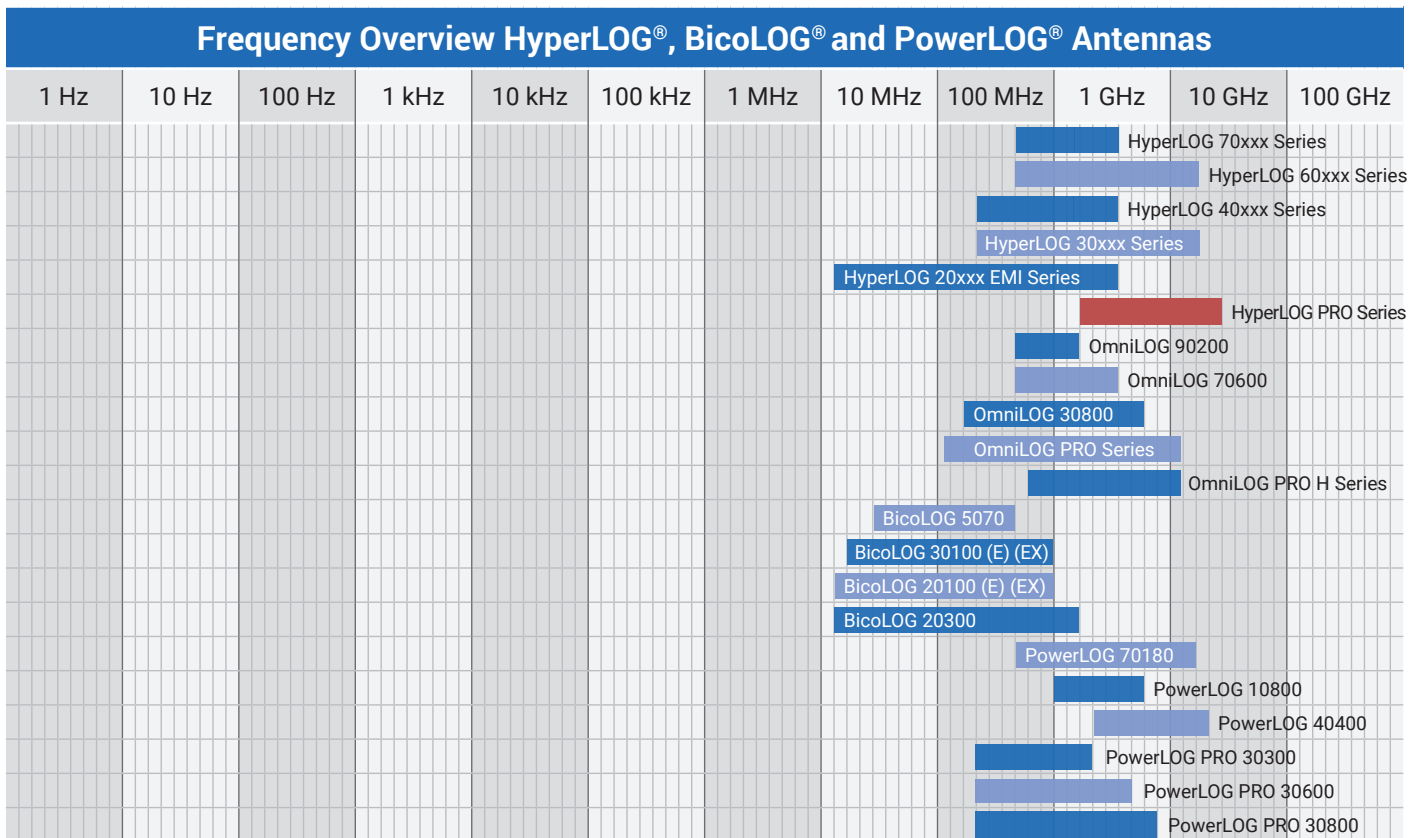


## GPS Logger

The Aaronia GPS - Logger includes a total of 6 sensors, all of them on the cutting edge of technology, making it the world's first stand-alone data logger with such a variety of sensors.

**Order/Art.-No.: 503/035**

# Frequency Overviews



# REFERENCES

## Selected Aeronia Clients

### Government, Military, Aeronautic, Astronautic

- **NATO**, Belgium
- **Department of Defense (DoD)**, USA
- **Department of Defence**, Australia
- **Airbus**, Germany
- **Boeing**, USA
- **German Armed Forces**, Germany
- **NASA**, USA
- **Lockheed Martin**, USA
- **Lufthansa**, Germany
- **German Aerospace Center (DLR)**, Germany
- **Eurocontrol**, Belgium
- **EADS**, Germany
- **Drug Enforcement Administration (DEA)**, USA
- **Federal Bureau of Investigation (FBI)**, USA
- **Federal Criminal Police Office (BKA)**, Germany
- **Federal Police**, Germany
- **Ministry of Defence**, Netherlands

### Research/Development, Science and Universities

- **MIT - Physics Department**, USA
- **California State University**, USA
- **Indonesian Institute of Science (LIPI)**, Indonesia
- **Los Alamos National Laboratory (LANL)**, 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 Athen**, 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 (Energie Baden-Württemberg)**, Germany
- **CNN**, USA
- **Duracell**, USA
- **German Telekom**, Germany
- **Bank of Canada**, Canada
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- **Nokia-Siemens Networks**, Germany



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深圳市拓力智慧科技有限公司

深圳市龙岗区南湾街道下李朗联李东路10号海大科技园2栋806