

## Product Datasheet - Technical Specifications



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LOGPER ANTENNAS

# HYPERLOG<sup>®</sup>

40 SERIES

All-in-one broadband antenna for the entire frequency range from 400 MHz to 6 GHz



## Highlights:

- Optimal for EMC measurements with spectrum analyzers
- Polarization can be freely aligned
- Suitable for mobile use

**AARONIA AG**  
WWW.AARONIA.DE



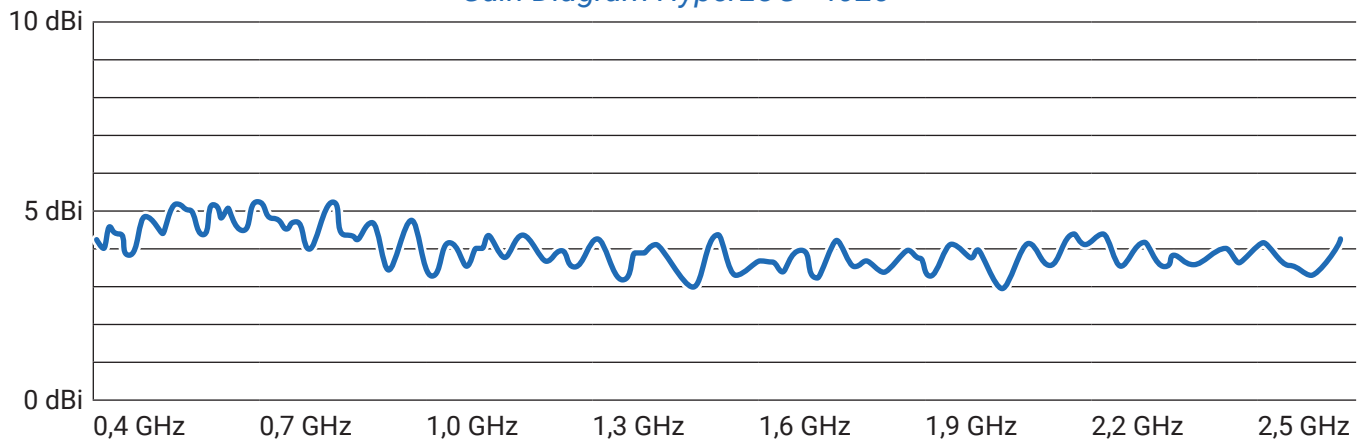
MADE IN GERMANY

# Specifications

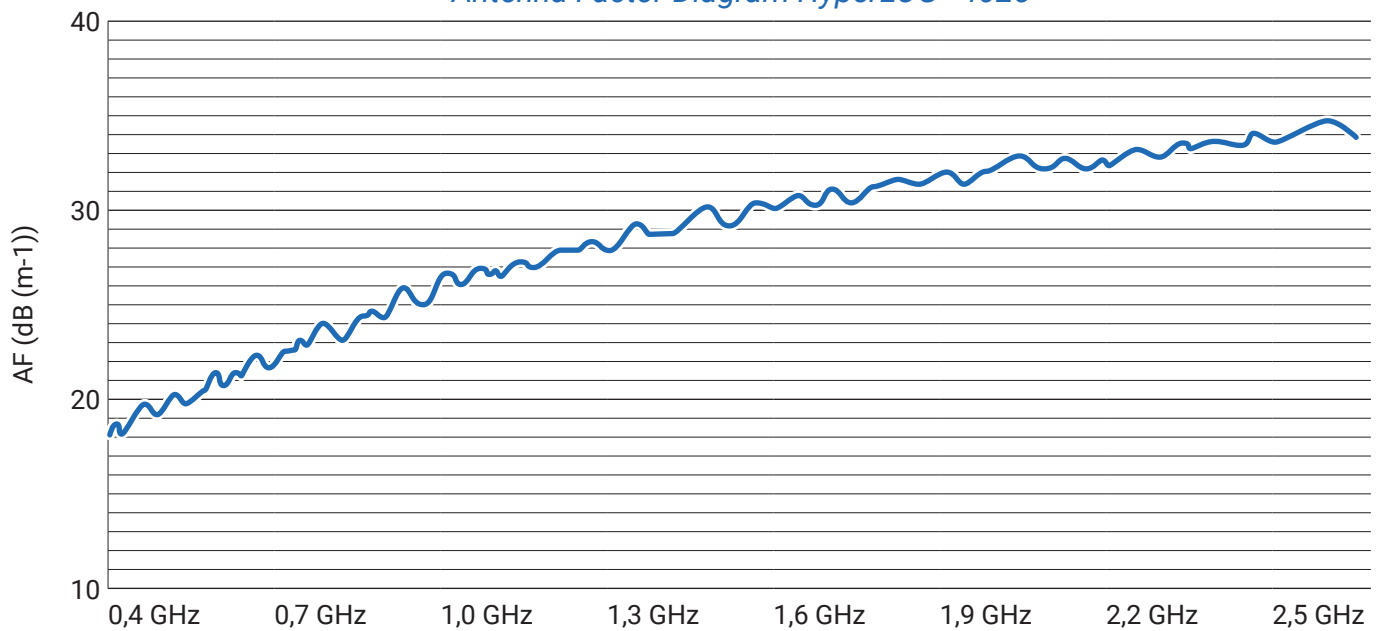
## HyperLOG® 4025

Dimensions [L x W x D]	590 x 360 x 30 mm	Nominal Impedance	50 Ohm
Weight	1200 g	Calibration Points	211 (10 MHz steps)
Design	Log-periodical	VSWR (typ.)	< 2
Gain (typ.)	4 dBi	Max. Transmission Power	100 W CW (400 MHz)
RF Connection	SMA (f) or N with adapter (see optional adapter)	Antenna Factor	18 – 34 dB/m
Frequency Range	400 MHz – 2,5 GHz	Warranty	2 years

Gain Diagram HyperLOG® 4025



Antenna Factor Diagram HyperLOG® 4025

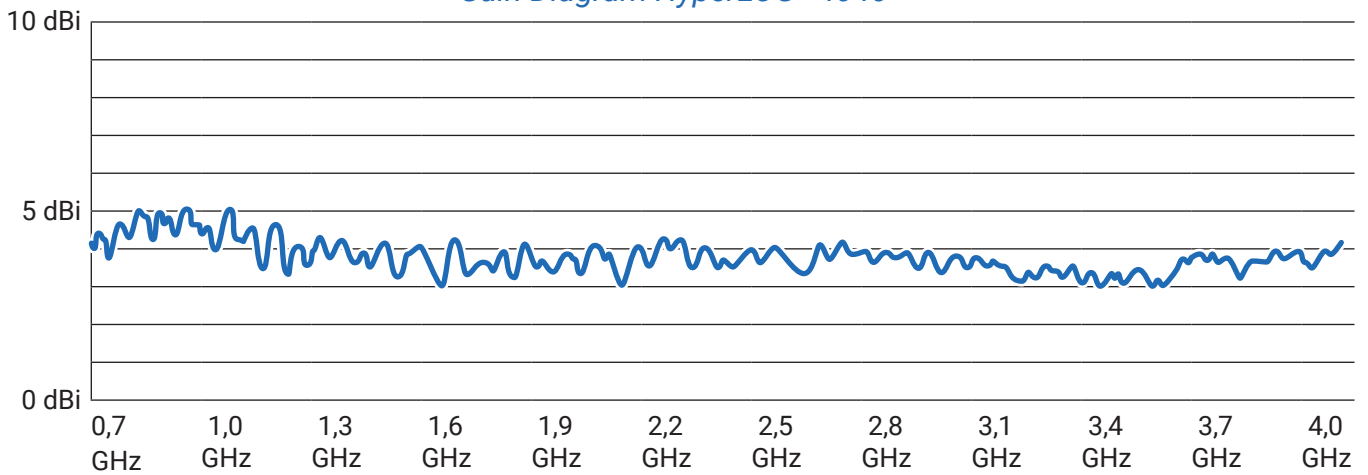


# Specifications

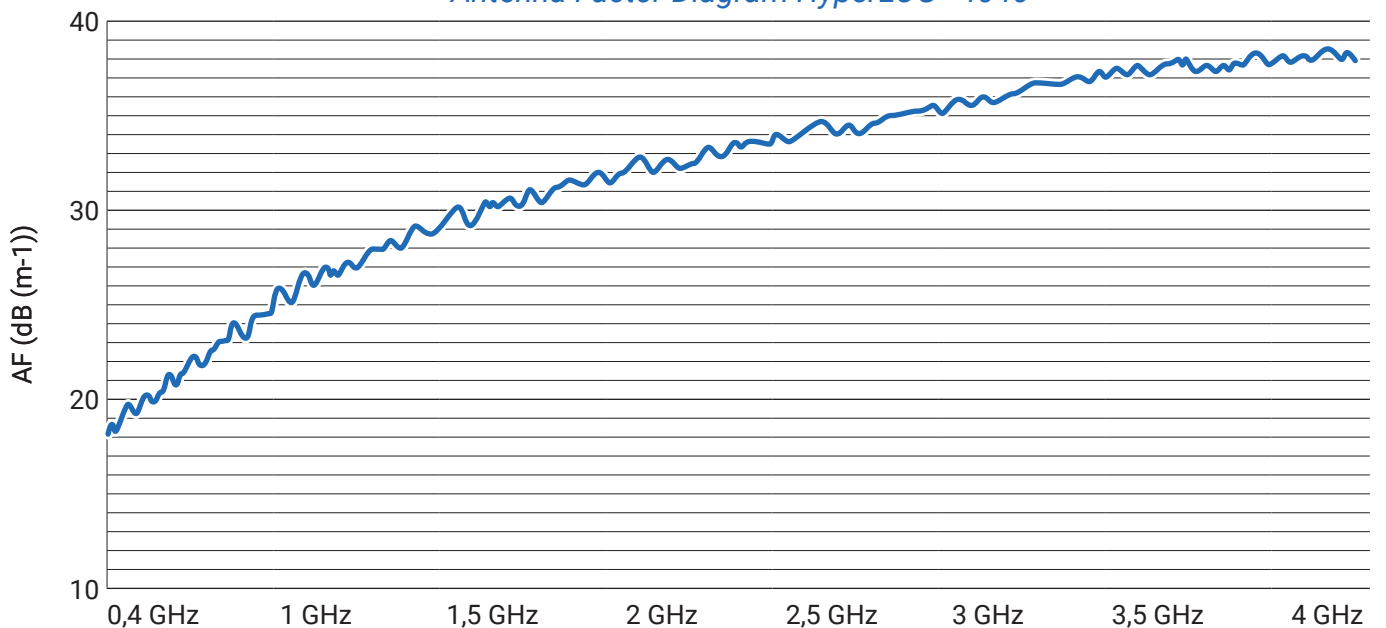
## HyperLOG® 4040

Dimensions [L x W x D]	590 x 360 x 30 mm	Nominal Impedance	50 Ohm
Weight	1200 g	Calibration Points	361 (10 MHz steps)
Design	Log-periodical	VSWR (typ.)	< 2
Gain (typ.)	4 dBi	Max. Transmission Power	100 W CW (400 MHz)
RF Connection	SMA (f) or N with adapter (see optional adapter)	Antenna Factor	18 – 38 dB/m
Frequency Range	400 MHz – 4 GHz	Warranty	2 years

Gain Diagram HyperLOG® 4040



Antenna Factor Diagram HyperLOG® 4040

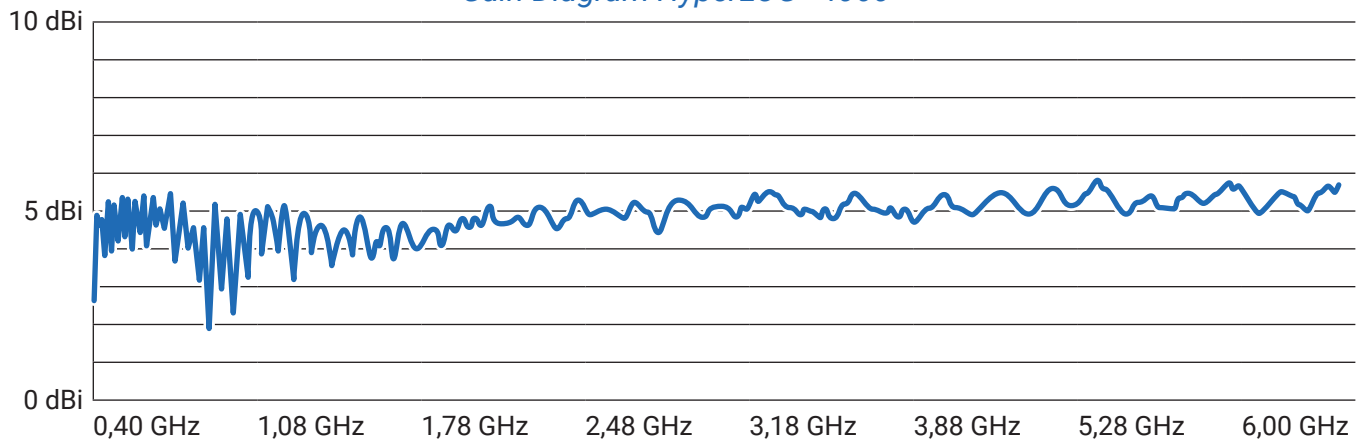


# Specifications

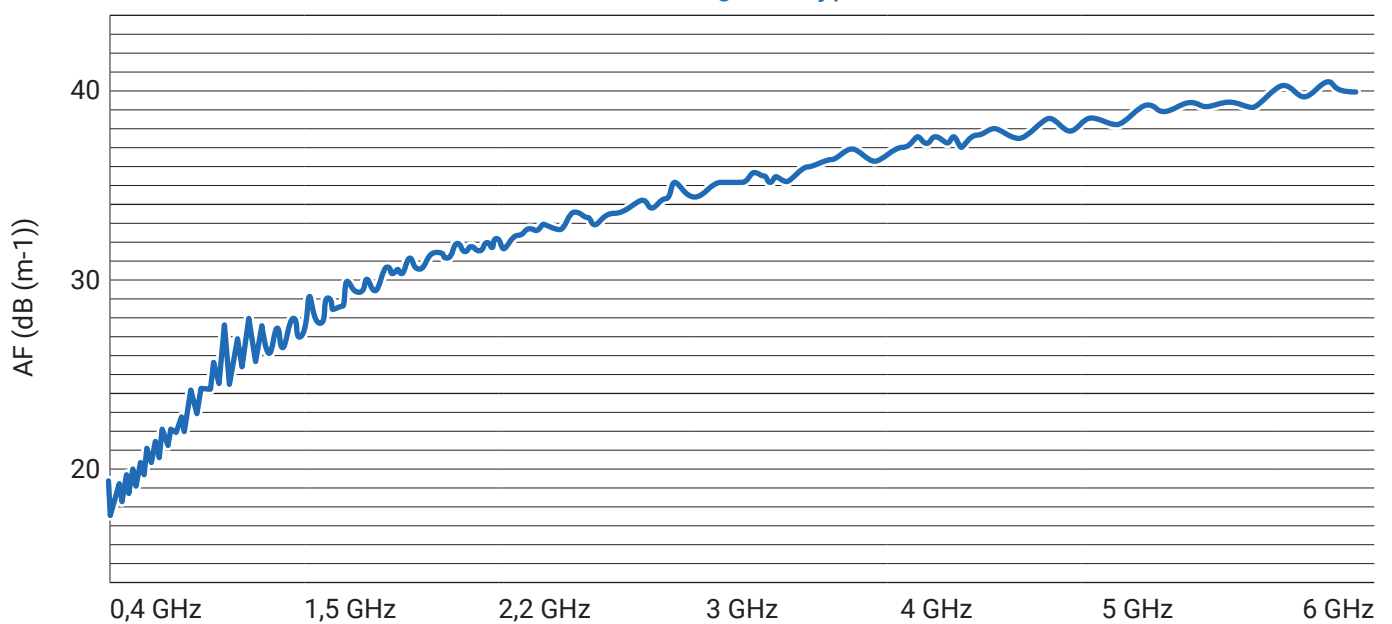
## HyperLOG® 4060

Dimensions [L x W x D]	590 x 360 x 30 mm	Nominal Impedance	50 Ohm
Weight	1000 g	Calibration Points	561 (10 MHz steps)
Design	Log-periodical	VSWR (typ.)	< 2
Gain (typ.)	5 dBi	Max. Transmission Power	100 W CW (400 MHz)
RF Connection	SMA (f) or N with adapter (see optional adapter)	Antenna Factor	20 – 40 dB/m
Frequency Range	400 MHz – 6 GHz	Warranty	2 years

Gain Diagram HyperLOG® 4060



Antenna Factor Diagram HyperLOG® 4060



# 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**

## 1 m / 5 m / 10 m SMA Cable

High-quality special SMA cable, connecting test equipment to any HyperLOG® antenna. Customers can choose between three different cables:

- 1 m standard SMA cable (RG316U)
  - 5 m low-loss SMA cable (especially low damping)
  - 10 m low-loss SMA cable (especially low damping)
- All versions: SMA plug (male) / SMA plug (male)

**Order/Art.-No.: 501/006 (1 m), 501/008 (5 m), 501/0010 (10 m)**



## SMA to N Adapter

This special high-quality adapter allows for operating all HyperLOG® antennas with any standard spectrum analyzer equipped with an N connector. This adapter can be used with very high frequencies. Measuring just 30 x 20 mm in size, its nominal impedance is 50 Ohm. Layout: SMA socket (female) / N plug (male).

**Order/Art.-No.: 502/009**



# REFERENCES



## Selected Aaronia 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
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- **Siemens AG**, Germany
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- **ThyssenKrupp**, Germany
- **EnBW (Energie Baden-Württemberg)**, Germany
- **CNN**, USA
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