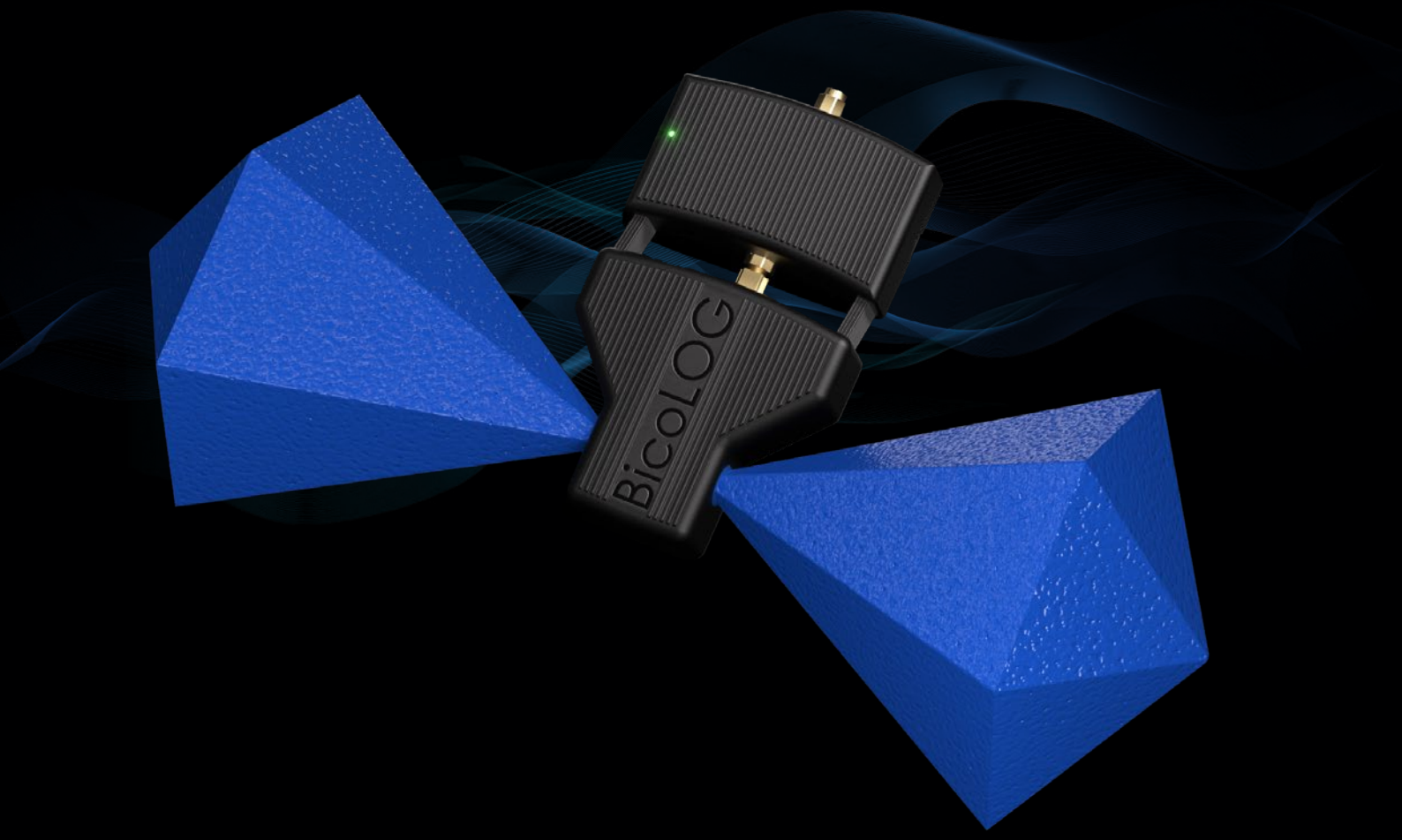
ACTIVE BICONICAL ANTENNAS

BICOLOG® X SERIES

Broadband transmission and reception from 20 MHz to 3 GHz – mobile and stationary use



- ✔ One broadband antenna for the entire frequency range (20 MHz – 3 GHz)
- ✔ Ideal in combination with spectrum analyzers
- ✔ Lightweight and small in size

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Phone: +49 6556 900310
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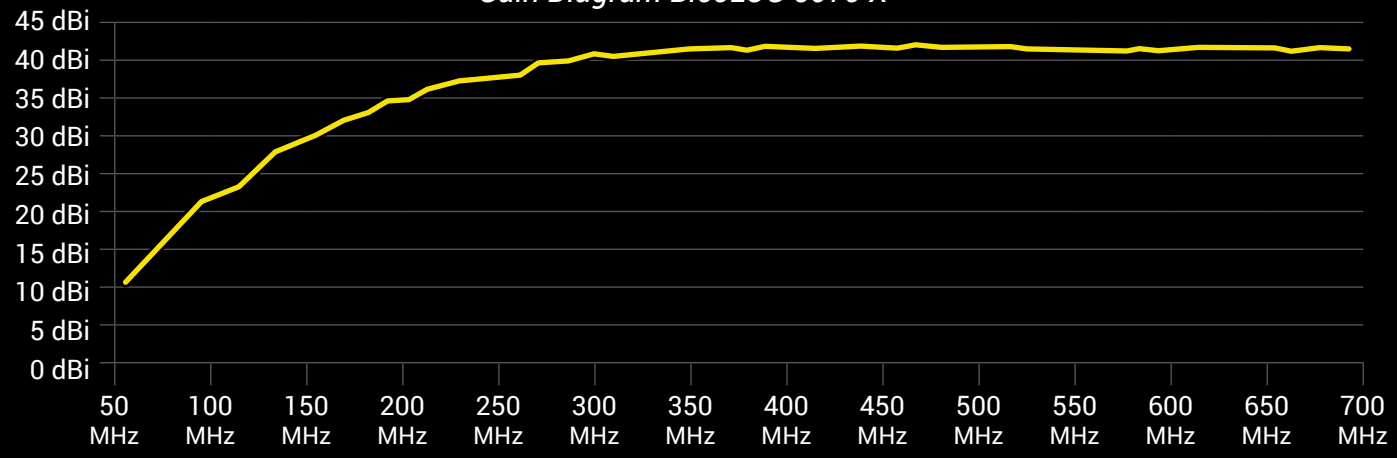
MADE IN GERMANY

Specifications

BicoLOG® 5070 X

Dimensions [L x W x D]	350 x 160 x 140 mm	Nominal Impedance	50 Ohm
Weight	500 g	Calibration Points	70 (5 MHz and 10 MHz steps)
Design	Active biconical	RF Connection	SMA (f) or N with adapter
Frequency Range	50 MHz – 700 MHz	Tripod Socket	1/4”
Gain	11 dBi – 41 dBi		

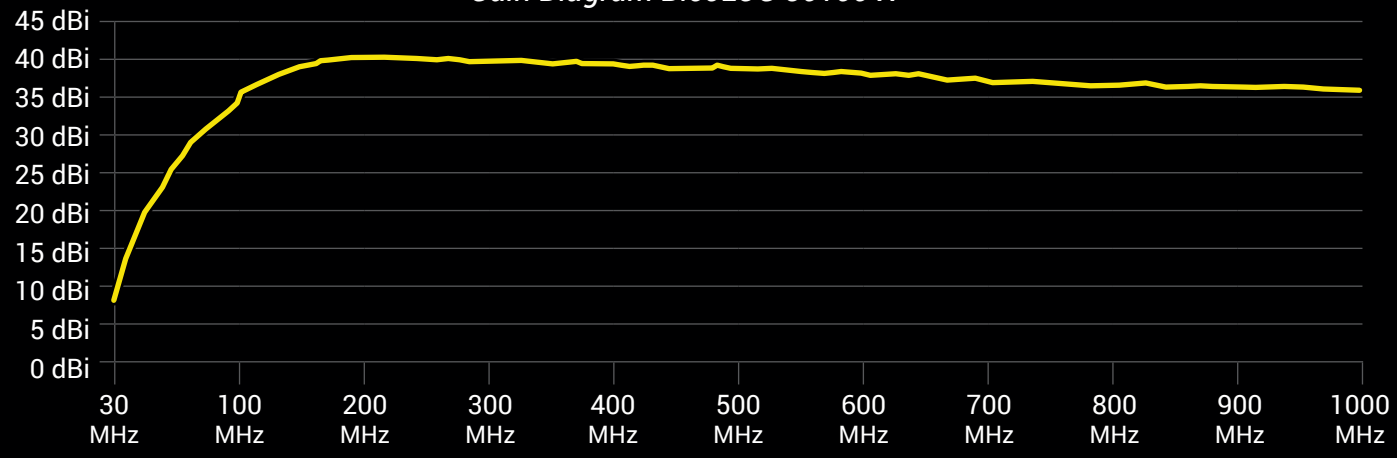
Gain Diagram BicoLOG 5070 X



BicoLOG® 30100 X

Dimensions [L x W x D]	350 x 160 x 140 mm	Nominal Impedance	50 Ohm
Weight	500 g	Calibration Points	104 (5 MHz and 10 MHz steps)
Design	Active biconical	RF Connection	SMA (f) or N with adapter
Frequency Range	30 MHz – 1 GHz	Tripod Socket	1/4”
Gain	8 dBi – 41 dBi		

Gain Diagram BicoLOG 30100 X



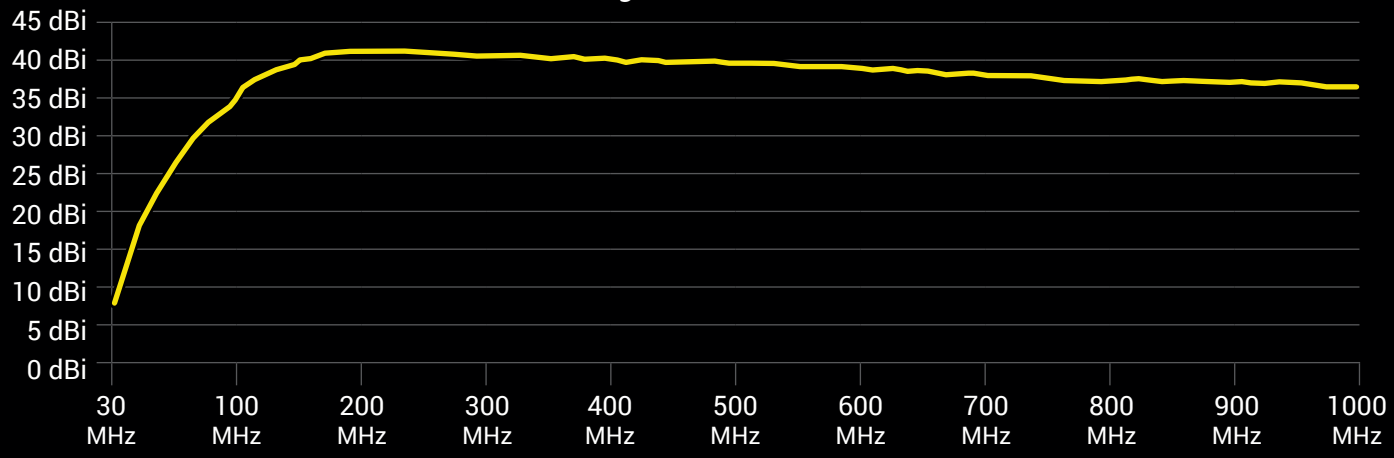
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Specifications

BicoLOG® 30100E X

Dimensions [L x W x D]	540 x 225 x 225 mm	Nominal Impedance	50 Ohm
Weight	1300 g	Calibration Points	194 (5 MHz steps)
Design	Active biconical	RF Connection	SMA (f) or N with adapter
Frequency Range	30 MHz – 1 GHz	Tripod Socket	1/4"
Gain	9 dBi – 41 dBi		

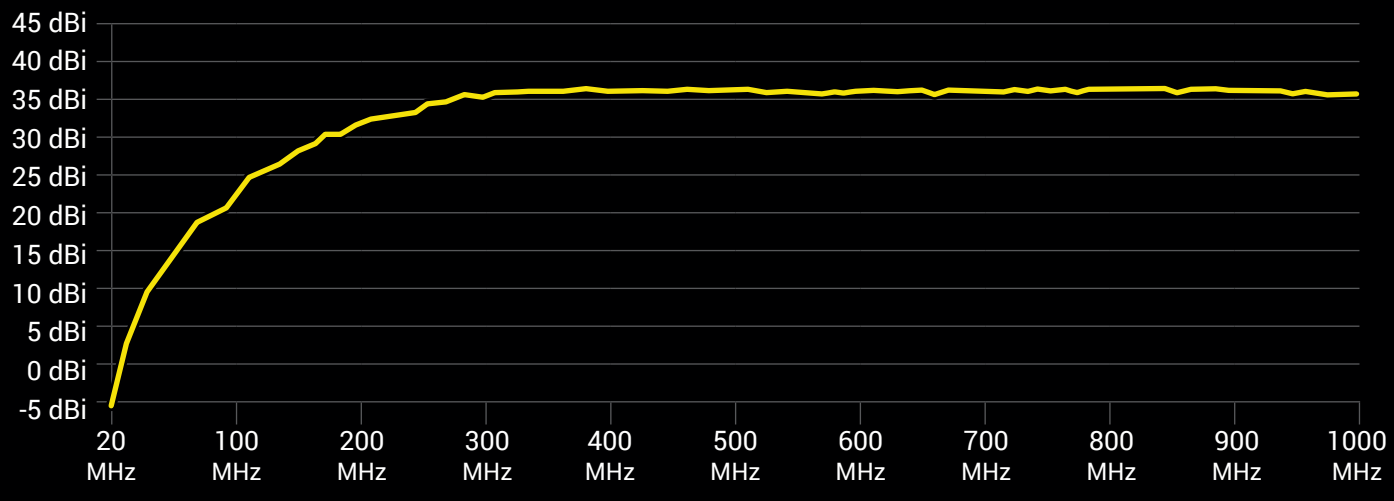
Gain Diagram BicoLOG 30100E X



BicoLOG® 20100 X

Dimensions [L x W x D]	350 x 160 x 140 mm	Nominal Impedance	50 Ohm
Weight	500 g	Calibration Points	106 (5 MHz and 10 MHz steps)
Design	Active biconical	RF Connection	SMA (f) or N with adapter
Frequency Range	20 MHz – 1 GHz	Tripod Socket	1/4"
Gain	-5 dBi – 41 dBi		

Gain Diagram BicoLOG 20100 X

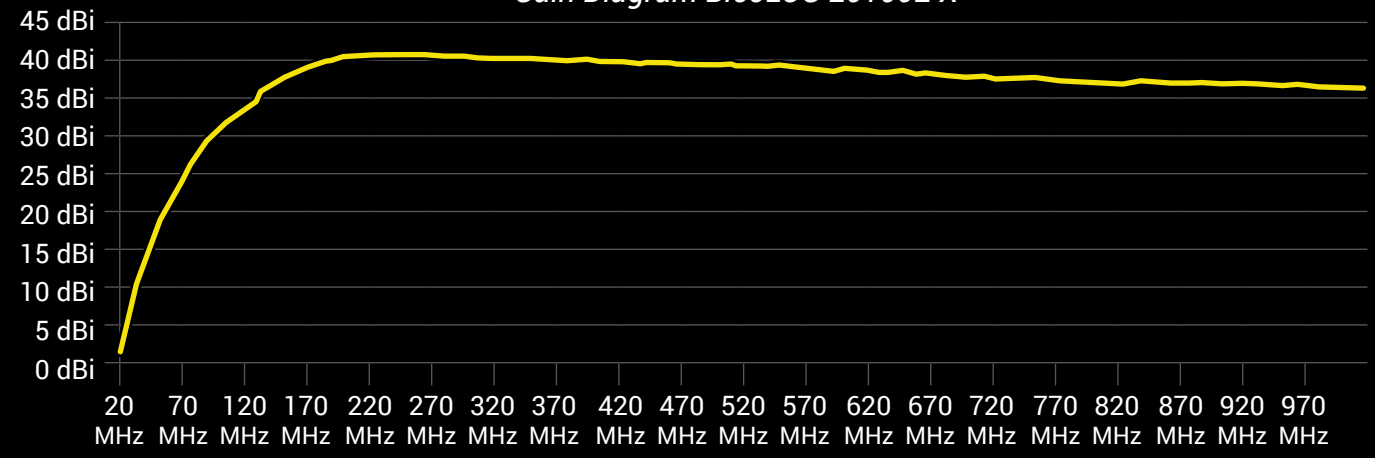


Specifications

BicoLOG® 20100E X

Dimensions [L x W x D]	540 x 225 x 225 mm	Nominal Impedance	50 Ohm
Weight	1300 g	Calibration Points	196 (5 MHz steps)
Design	Active biconical	RF Connection	SMA (f) or N with adapter
Frequency Range	20 MHz – 1 GHz	Tripod Socket	1/4”
Gain	2 dBi – 41 dBi		

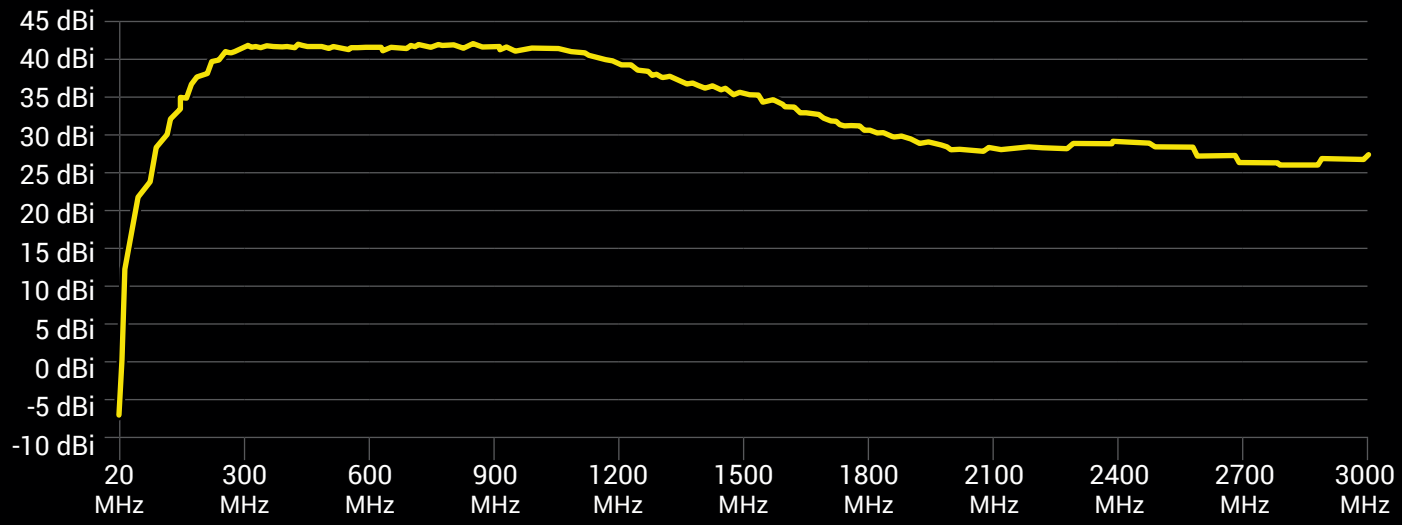
Gain Diagram BicoLOG 20100E X



BicoLOG® 20300 X

Dimensions [L x W x D]	350 x 160 x 140 mm	Nominal Impedance	50 Ohms
Weight	500 g	Calibration Points	296 (5 MHz and 10 MHz steps)
Design	Active biconical	RF Connection	SMA (f) or N with adapter
Frequency Range	20 MHz – 3 GHz	Tripod Socket	1/4”
Gain	-5 dBi – 41 dBi		

Gain Diagram BicoLOG 20300 X



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Recommended Accessories



Multifunctional Pistol Grip

(strongly recommended)

Highly recommended for our BicoLOG® 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 BicoLOG® 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 BicoLOG® 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

Miniature Pistol-Grip Tripod

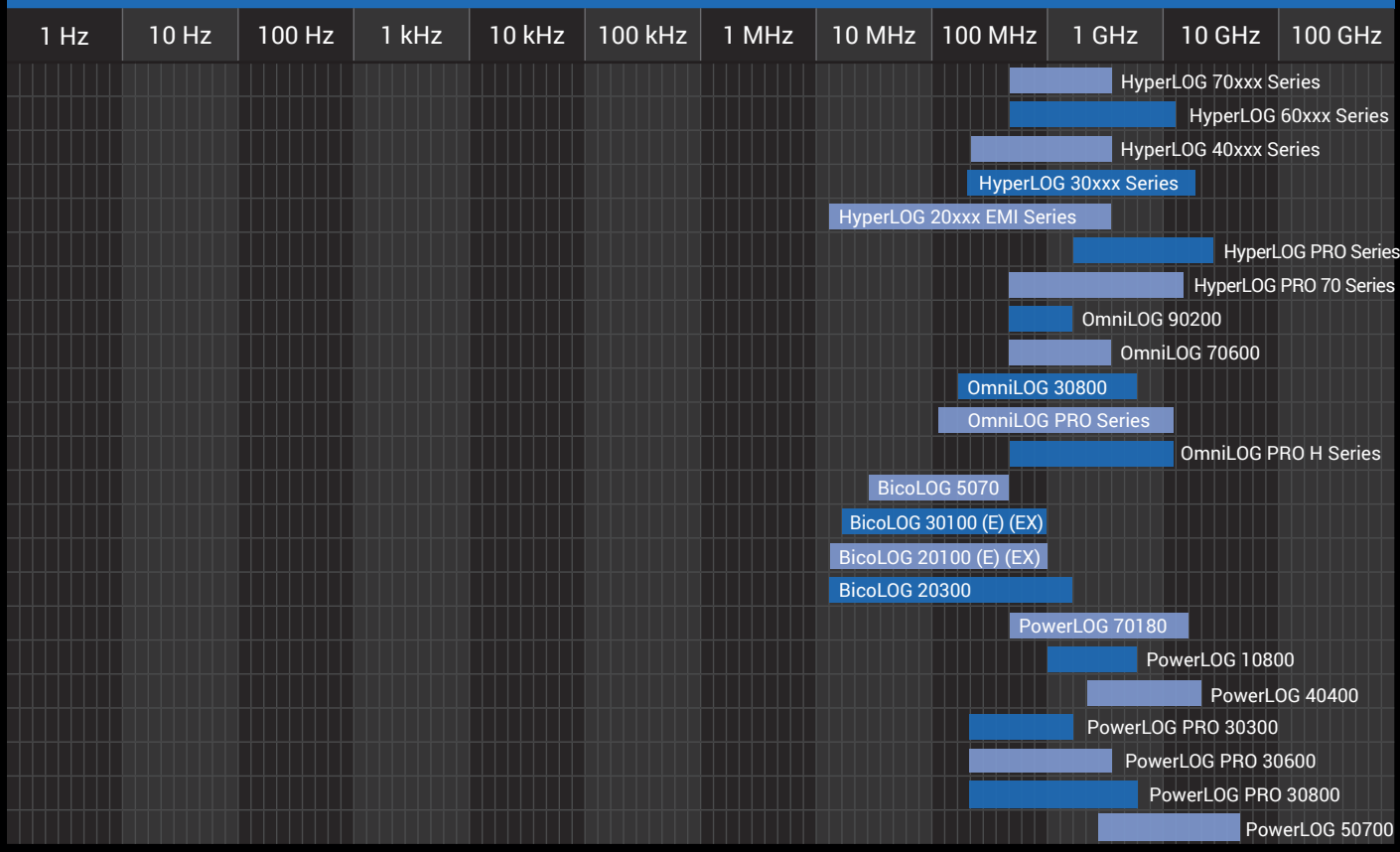
Detachable handle with super-practical miniature tripod mode. The handle can be attached to the back of the unit, and allows for optimal handling and a fixed stand. Strongly recommended for PC use.

Order/Art.-No.: 503/010

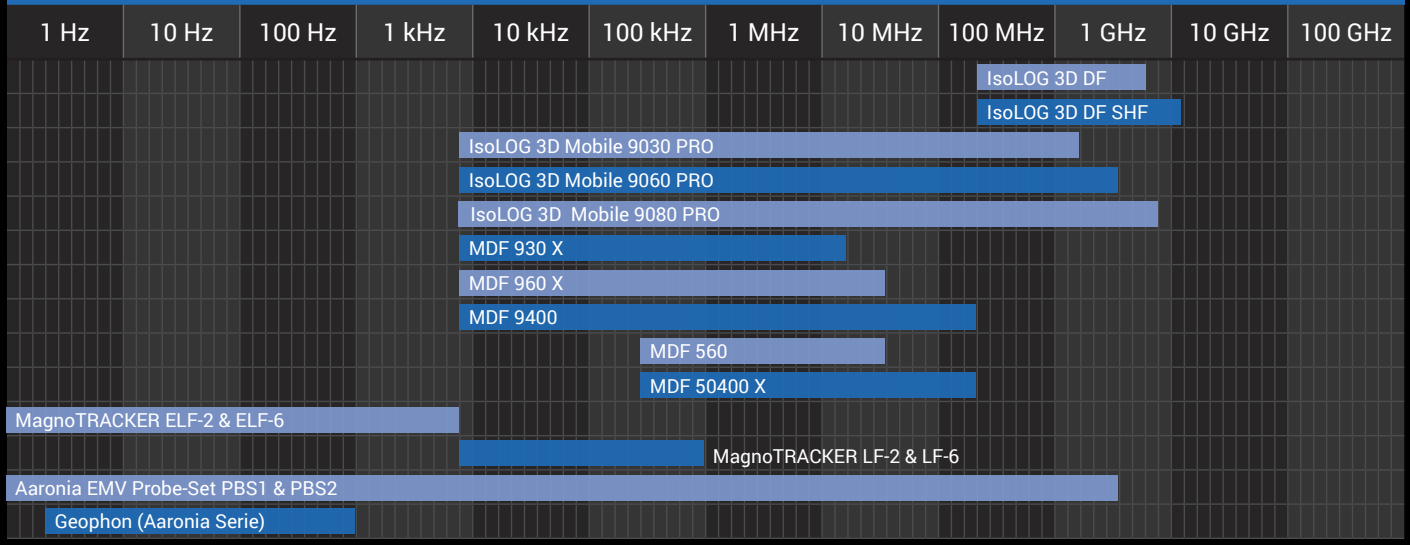


Frequency Overviews

Frequency Overview HyperLOG®, BicoLOG® and PowerLOG® Antennas



Frequency Overview IsoLOG® 3D, MDF, MagnoTRACKER® and Probes



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References

Selected Aaronia Clients

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- NATO, Belgium
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- Department of Defense, Australia
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- DEA, USA
- FBI, USA
- BKA, Germany
- Federal Police, Germany
- Ministry of Defense, Netherlands

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- California State University, USA
- Indonesian Institute of Sciences, Indonesia
- Los Alamos National Laboratory, USA
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- University of Florida, USA
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- University of Durham, United Kingdom
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- Research Centre Karlsruhe, Germany

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