



Active Biconical Antennas - BicoLOG X Series

Active Antennas with high gain up to 41dBi

Highlights

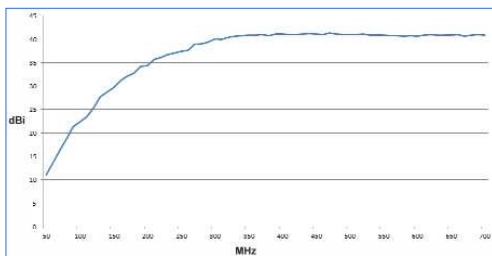
- Only a single broadband test antenna for the complete frequency range from 20MHz up to 3 GHz
- Optimal for usage with spectrum analyzers for EMC measurement
- Suitable for mobile use
- Small weight and dimensions
- Made in Germany
- 10 years warranty

Specifications

BicoLOG® 5070 X

- ◆ Design: Biconical (active)
- ◆ Frequency range: **50MHz to 700MHz**
- ◆ Nominal impedance: 50 Ohms
- ◆ Gain: 11dBi to 41dBi
- ◆ Calibration points: **70** (5MHz and 10MHz steps)
- ◆ RF connection: SMA (female) or N with adapter
- ◆ Tripod socket: 1/4"
- ◆ Dimensions (L/W/D) : (350x160x140)mm
- ◆ Weight: 500gr
- ◆ **Warranty: 10 years**

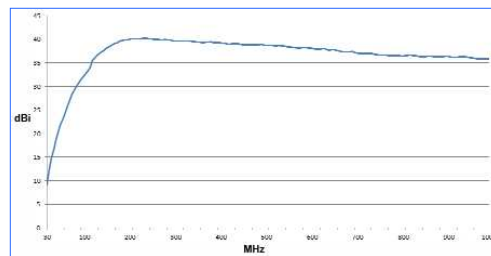
Gain Diagram BicoLOG 5070 X



BicoLOG® 30100 X

- ◆ Design: Biconical (active)
- ◆ Frequency range: **30MHz to 1GHz**
- ◆ Nominal impedance: 50 Ohms
- ◆ Gain: 1dBi to 41dBi
- ◆ Calibration points: **104** (5MHz and 10MHz steps)
- ◆ RF connection: SMA (female) or N with adapter
- ◆ Tripod socket: 1/4"
- ◆ Dimensions (L/W/D) : (350x160x140)mm
- ◆ Weight: 500gr
- ◆ **Warranty: 10 years**

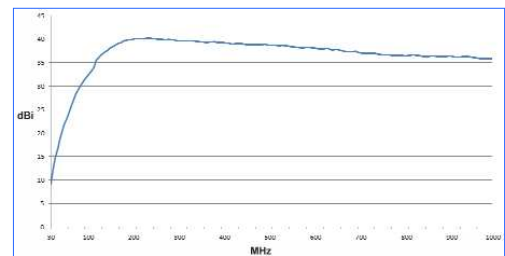
Gain Diagram BicoLOG 30100 X



BicoLOG® 30100E X

- ◆ Design: Biconical (active)
- ◆ Frequency range: **30MHz to 1GHz**
- ◆ Nominal impedance: 50 Ohms
- ◆ Gain: 9dBi to 41dBi
- ◆ Calibration points: **194 (5MHz steps)**
- ◆ RF connection: SMA (female) or N with adapter
- ◆ Tripod socket: 1/4"
- ◆ Dimensions (L/W/D) : (540x225x225)mm
- ◆ Weight: 1300gr
- ◆ **Warranty: 10 years**

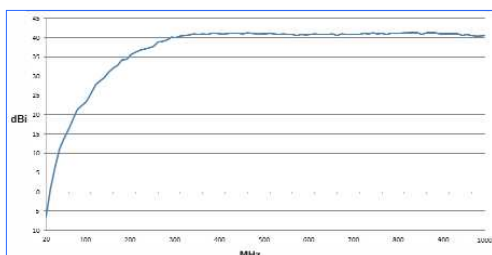
Gain Diagram BicoLOG 30100E X



BicoLOG® 20100 X

- ◆ Design: Biconical (active)
- ◆ Frequency range: **20MHz to 1GHz**
- ◆ Nominal impedance: 50 Ohms
- ◆ Gain: -5dBi to 41dBi
- ◆ Calibration points: **106** (5MHz and 10MHz steps)
- ◆ RF connection: SMA (female) or N with adapter
- ◆ Tripod socket: 1/4"
- ◆ Dimensions (L/W/D) : (350x160x140)mm
- ◆ Weight: 500gr
- ◆ **Warranty: 10 years**

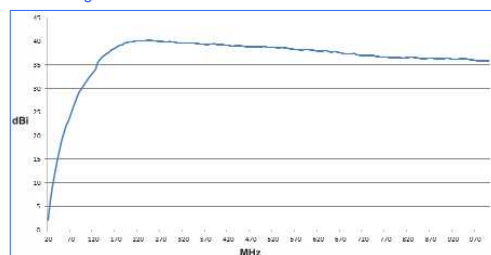
Gain Diagram BicoLOG 20100 X



BicoLOG® 20100E X

- ◆ Design: Biconical (active)
- ◆ Frequency range: **20MHz to 1GHz**
- ◆ Nominal impedance: 50 Ohms
- ◆ Gain: 2dBi to 41dBi
- ◆ Calibration points: **196 (5MHz steps)**
- ◆ RF connection: SMA (female) or N with adapter
- ◆ Tripod socket: 1/4"
- ◆ Dimensions (L/W/D) : (540x225x225)mm
- ◆ Weight: 1300gr
- ◆ **Warranty: 10 years**

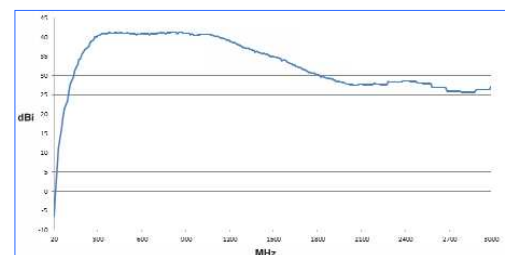
Gain Diagram BicoLOG 20100E X



BicoLOG® 20300 X

- ◆ Design: Biconical (active)
- ◆ Frequency range: **20MHz to 3GHz**
- ◆ Nominal impedance: 50 Ohms
- ◆ Gain: -5dBi to 41dBi
- ◆ Calibration points: **296** (5MHz and 10MHz steps)
- ◆ RF connection: SMA (female) or N with adapter
- ◆ Tripod socket: 1/4"
- ◆ Dimensions (L/W/D) : (350x160x140)mm
- ◆ Weight: 500gr
- ◆ **Warranty: 10 years**

Gain Diagram BicoLOG 20300 X



Recommended accessories for Aaronia Antennas

Heavy multifunctional Pistol Grip (strongly recommended!)

Highly recommend for the usage of our BicoLOG active antennas. Quick and easy change of antenna polarization, perfect antenna handling (even with the more heavy BicoLOG 30100E X and 20100E X).

Order/Art.-No.: 282



1m / 5m / 10m SMA-Cable

High quality special SMA cable for connecting any BicoLOG®-Antenna with various test equipment like SPECTRAN RF Spectrum-Analyzer. You can choose between 3 different cables:

- 1m standard SMA cable (RG316U)
- 5m LowLoss SMA cable (especially low damping)
- 10m LowLoss SMA cable (especially low damping)

All versions: SMA plug (male) / SMA plug (male)

Order/Art.-No.: 771 (1m Cable), 772 (5m Cable), 773 (10m Cable)



SMA to N Adapter

This special high quality adapter allows operation of all BicoLOG®-Antenna with any standard spectrum-analyzer with N connector.

Especially massive, chrome-plated design. This adapter is usable for very high frequencies up to at least 18GHz. Physical dimensions are just 30x20mm. Nominal impedance 50 Ohms. Layout: SMA socket (female) / N plug (male).

Order/Art.-No.: 770



Pistol grip / miniature tripod

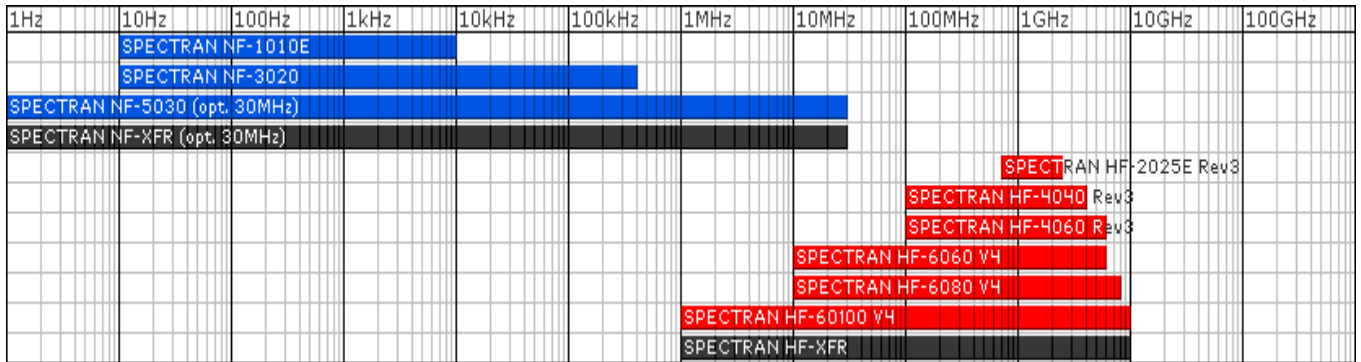
Detachable handle with super-practical miniature tripod mode: this handle is attachable to the backside of the unit and allows optimal handling and even fixed installation of the unit. Strongly recommended for PC use!

Order/Art.-No.: 280



Frequency overview Analyzer & Antennas

Frequency Overview SPECTRAN Spectrum Analyzer



Frequency Overview HyperLOG and BicoLOG Antennas and Probes

