

HIGH-POWER HORN ANTENNAS

POWERLOG[®] PRO

SERIES

Constant field strength, enormous broadband and highest transmit power.



Highlights:

- Wide frequency range from 300 MHz - 8 GHz
- Supports very high power levels up to 500W
- Constant field strength due to linear increasing gain
- High gain up to 14dBi

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MADE IN GERMANY

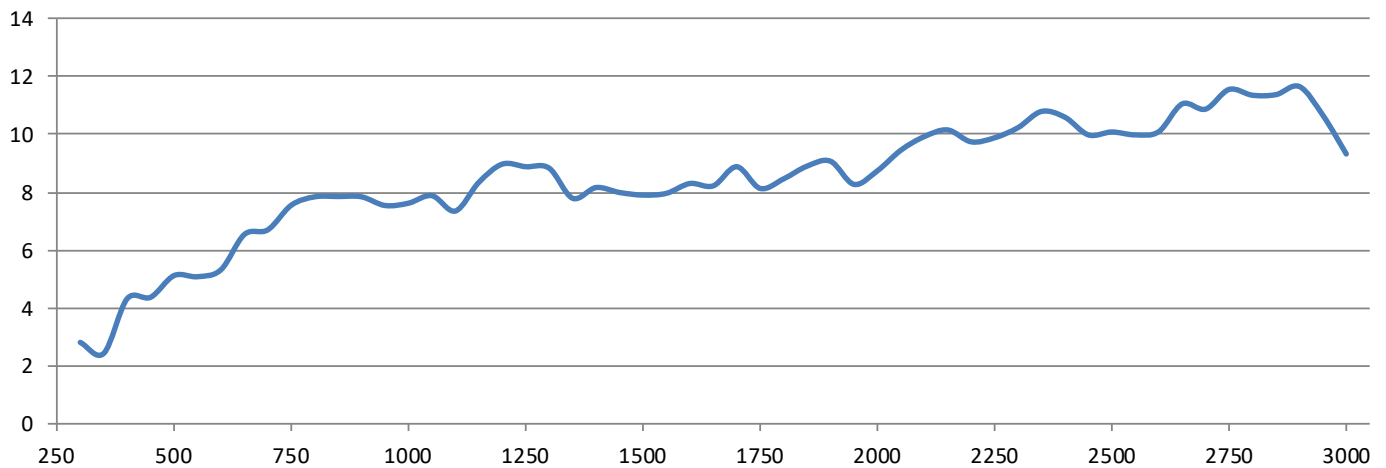
Specifications

PowerLOG® PRO 30300

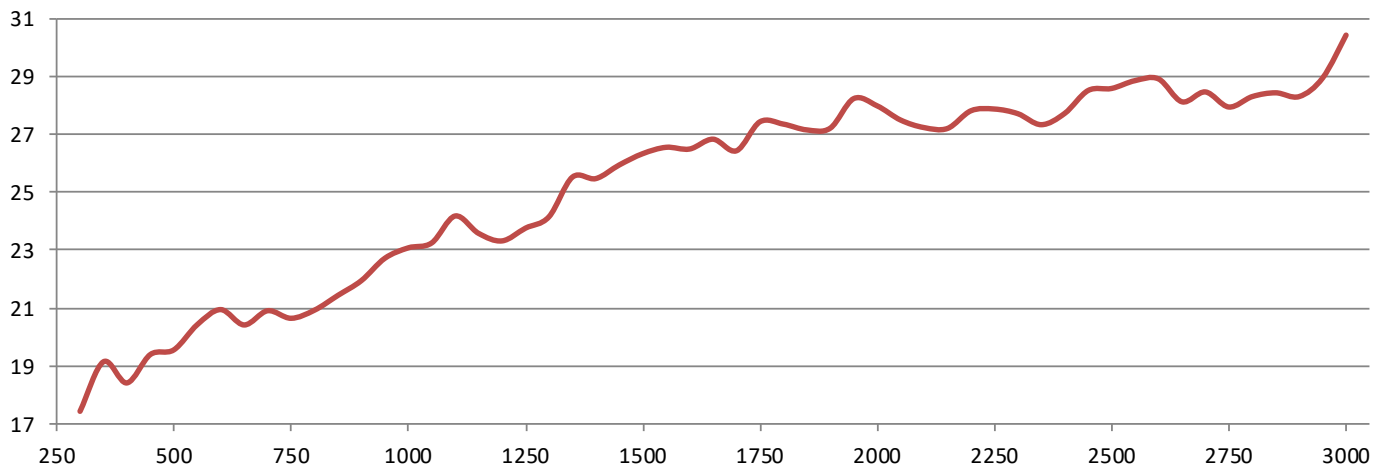
Dimensions [L x W x D]	510 x 507 x 507 mm	Nominal Impedance	50 Ohm
Weight	4200 g	VSWR (typ.)	< 2,5:1
Design	Quad-ridged horn	Max. Input Power	500 W
Gain	up to 12 dBi	Temperature Range	- 10° C – 60° C
RF Connection	2 x N (f) connections (H+V)	Relative Humidity	10 % – 70%
Frequency Range	300 MHz - 3 GHz	Warranty	2 years

Specific calibration data included

Gain Diagram PowerLOG® PRO 30300



Antenna Factor Diagram PowerLOG® PRO 30300



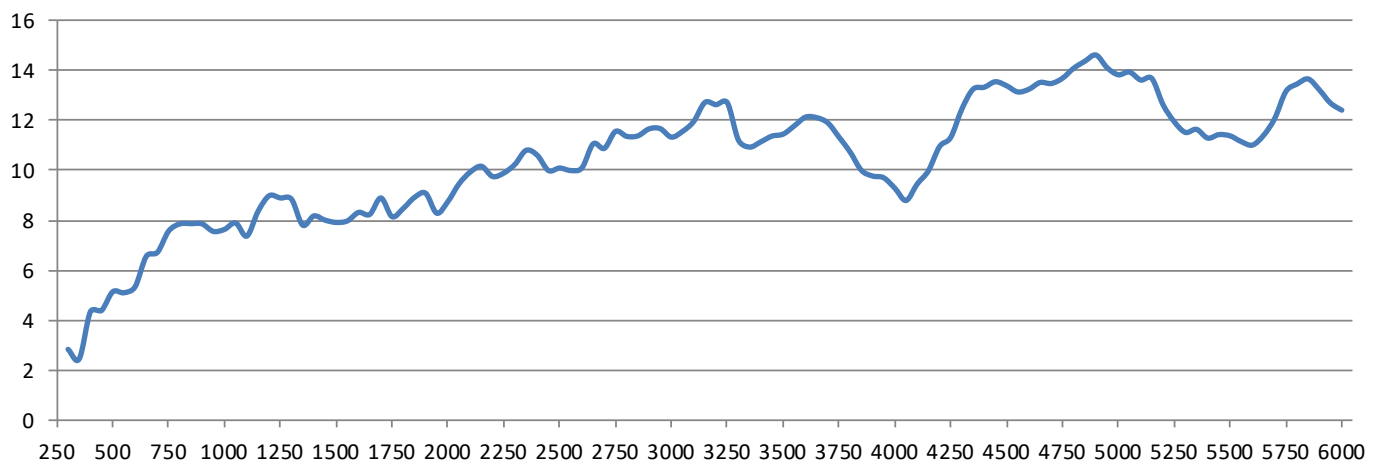
Specifications

PowerLOG® PRO 30800

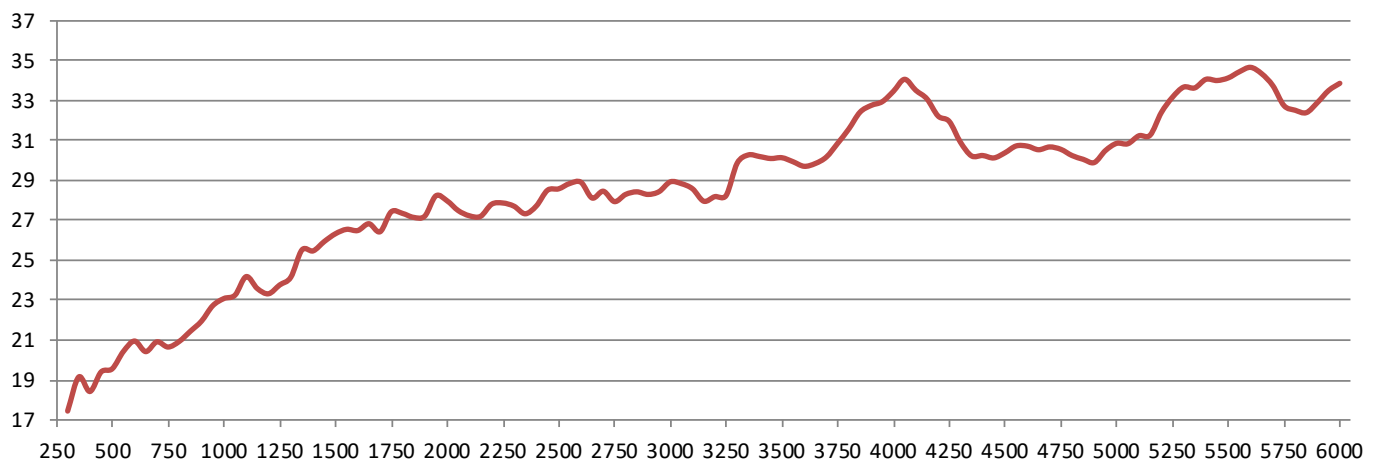
Dimensions [L x W x D]	510 x 507 x 507 mm	Nominal Impedance	50 Ohm
Weight	4200 g	VSWR (typ.)	< 2,5:1
Design	Quad-ridged horn	Max. Input Power	500 W
Gain	up to 14 dBi	Temperature Range	- 10° C – 60° C
RF Connection	2 x N (f) connections (H+V)	Relative Humidity	10 % – 70%
Frequency Range	300 MHz – 8 GHz (calibrated up to 6 GHz)	Warranty	2 years

Specific calibration data included

Gain Diagram PowerLOG® PRO 30800



Antenna Factor Diagram PowerLOG® PRO 30800



Recommended Accessories



1 m / 5 m / 10 m SMA Cable with Locking Nut

Same as above, but with an extremely practical locking nut for easy installation with no additional tools. All versions available as: SMA plug (male) / SMA plug (male) (requires SMA to N Adapter for connection to PowerLOG).

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

1 m / 5 m / 10 m SMA Cable

High-quality special SMA cable, connecting test equipment to any PowerLOG® 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.: 771 (1 m), 772 (5 m), 773 (10 m)

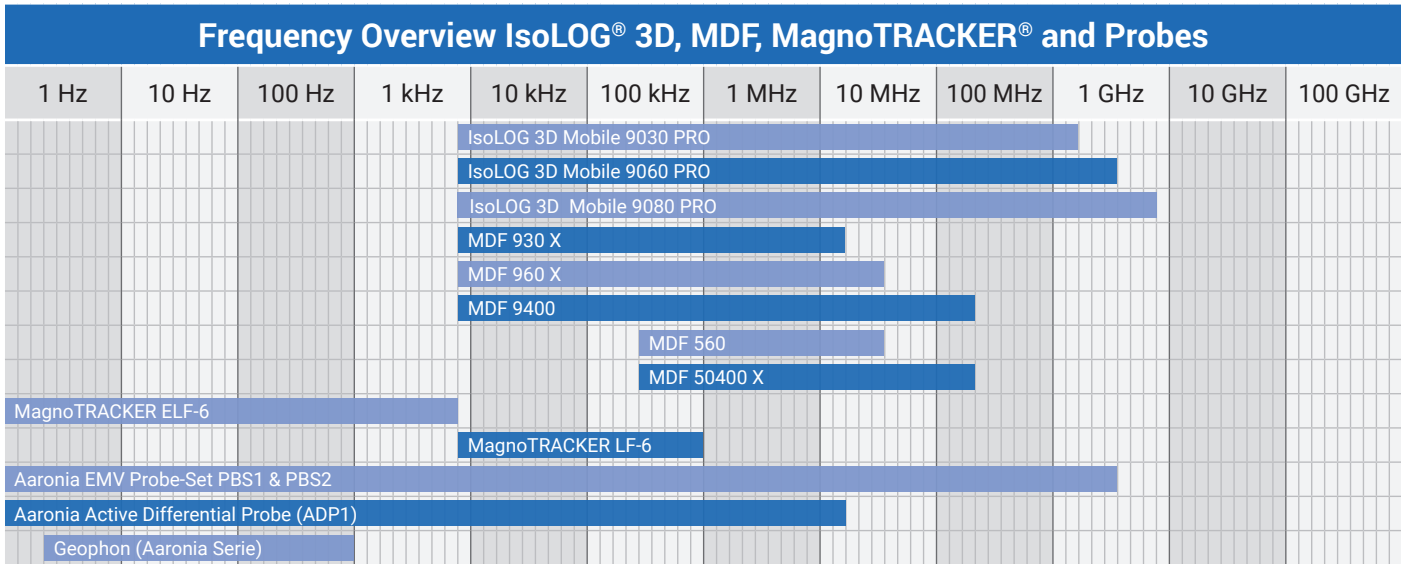
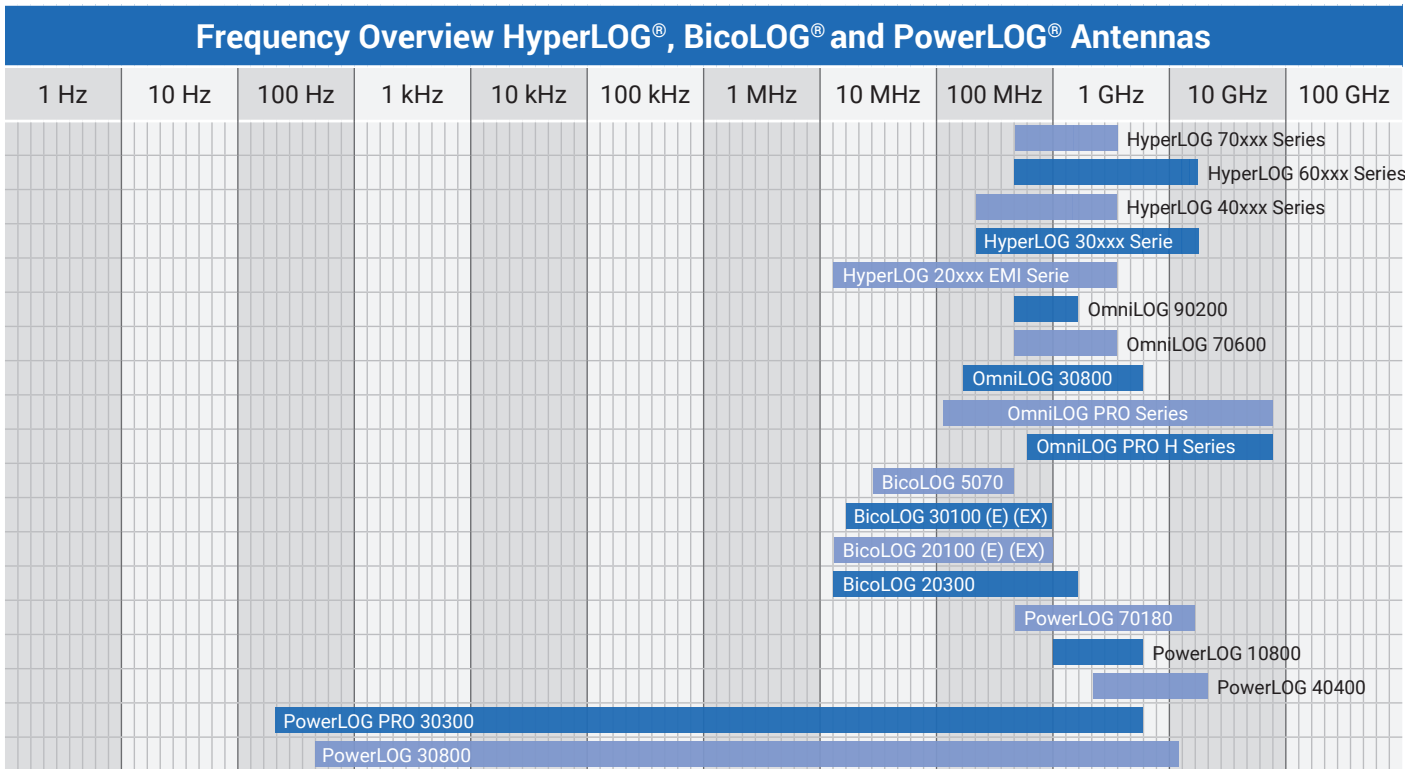


SMA to N Adapter

This special high-quality adapter allows for operating all PowerLOG® 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.: 770

Frequency Overviews



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
- 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
- NBC News, USA
- Sony, Germany
- Anritsu, Germany
- Hewlett-Packard, Germany
- 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


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