

BROADBAND ANTENNAS

OMNILOG[®] PRO

SERIES

Omni-directional broadband antenna with up to 18 GHz frequency range and high gain



Highlights:

- Perfectly usable with spectrum analyzers for omnidirectional measurements
- Magnetic base included
- Very compact design, lightweight



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OmniLOG® PRO Series

The new OmniLOG PRO series consists of ultra-wideband and cost-effective receive antennas.

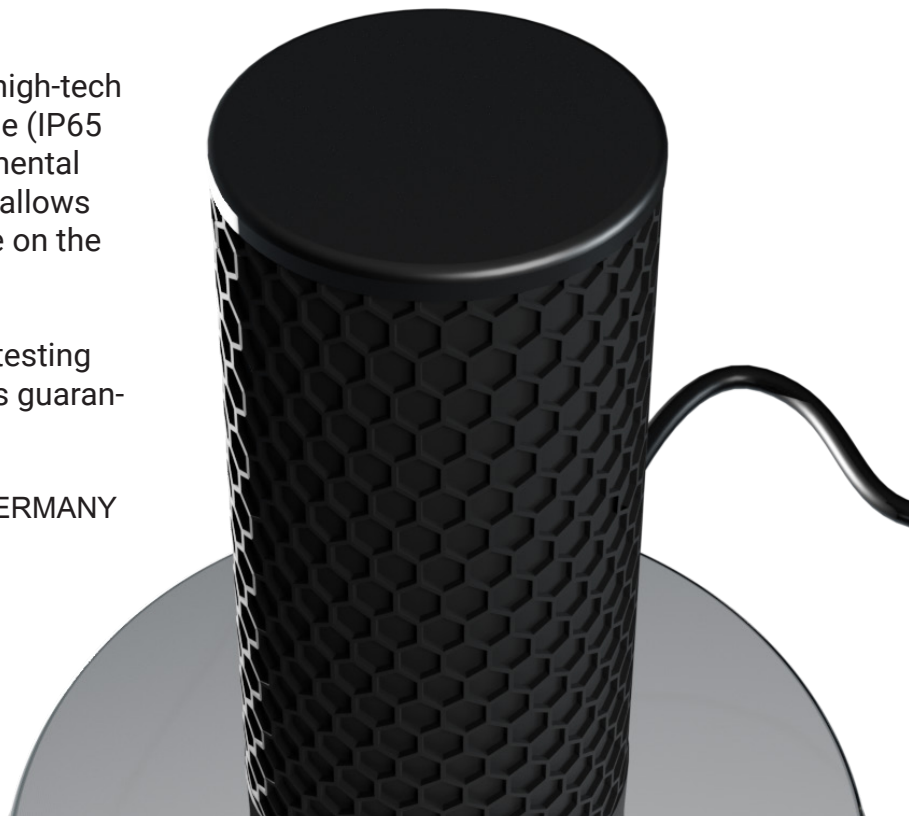


These broadband antennas are excellent for radial isotropic measurements, interference detection or frequency monitoring in conference rooms, but is also perfect to use outdoors, e.g. with the magnetic base on a car. Depending on the type, they cover all RF sources from VHF to K-band (for example, radio and TV, mobile communications, DECT, Bluetooth and WLAN, etc.).

Each OmniLOG PRO is equipped with a high-tech antenna housing suitable for outdoor use (IP65 certified) as protection against environmental influences. The magnetic antenna base allows temporary fixed installation, for example on the car roof.

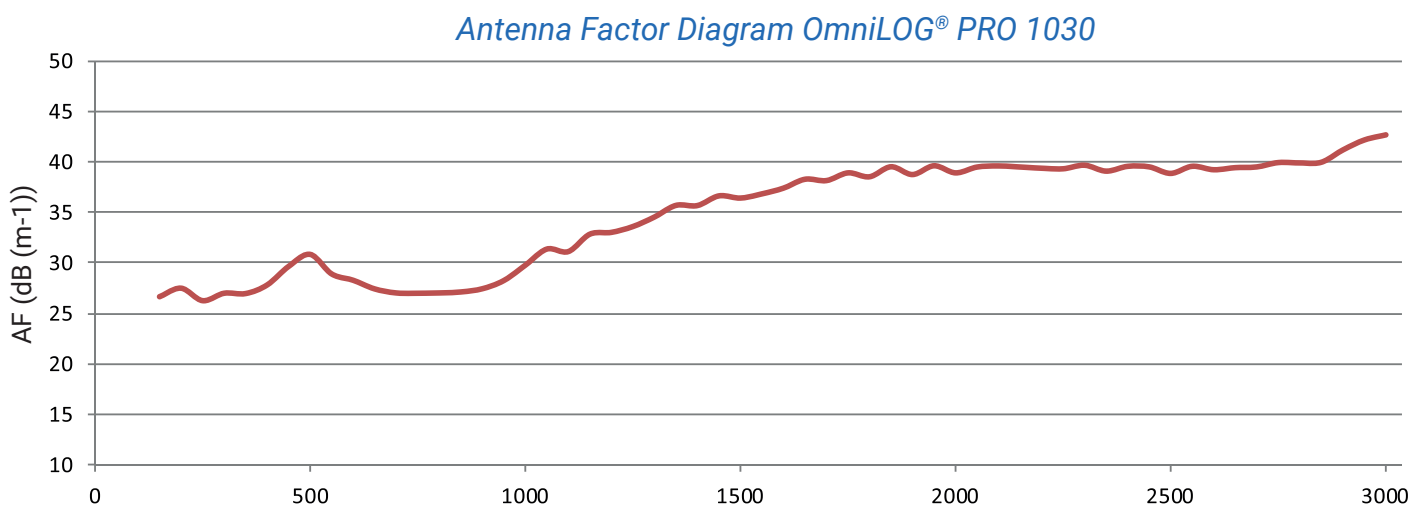
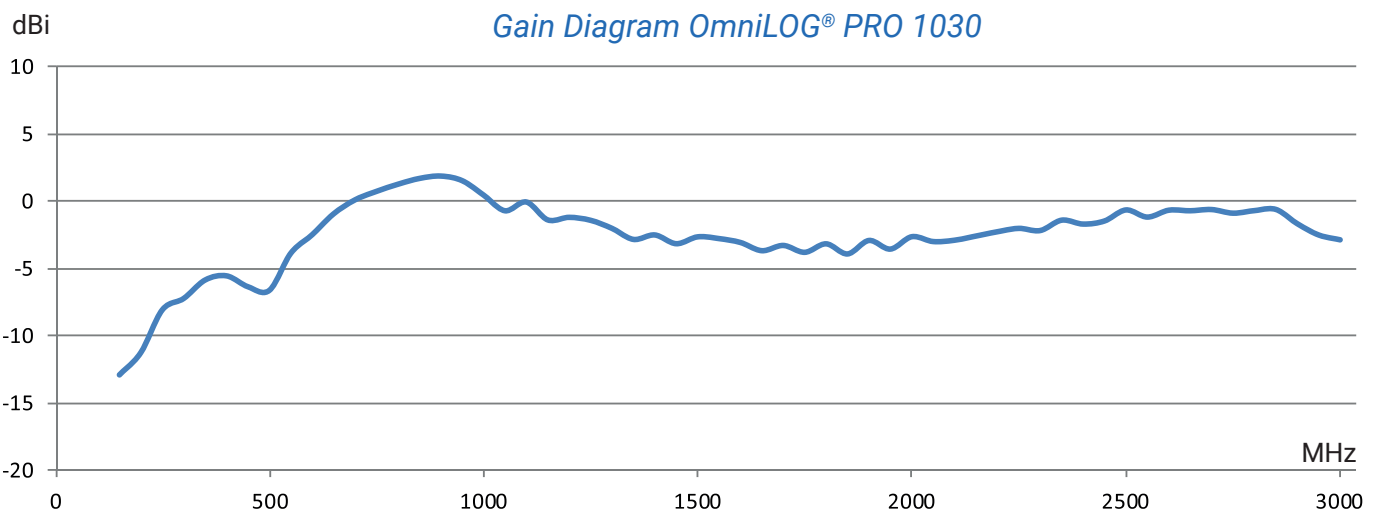
The OmniLOG PRO undergoes rigorous testing in our laboratories before shipment. This guarantees the highest quality standards.

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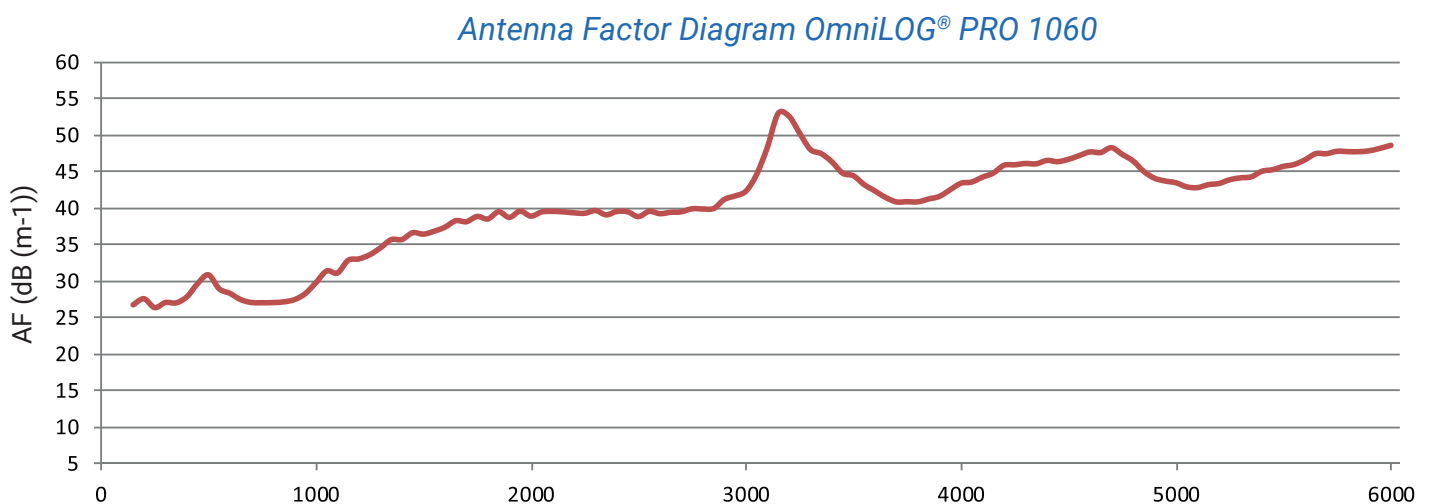
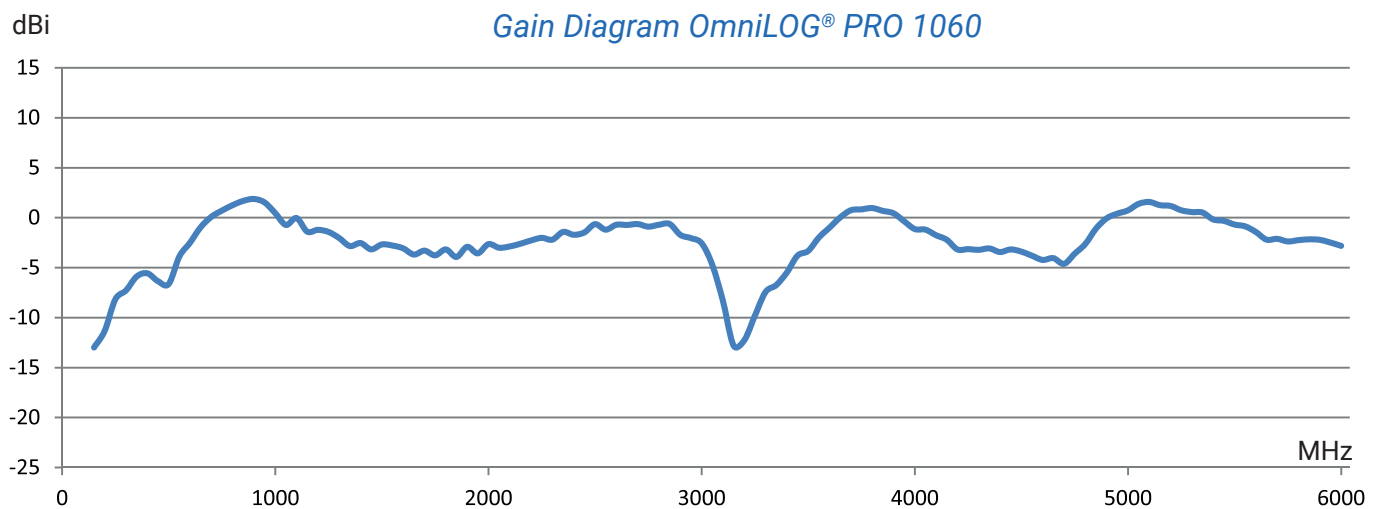
Specifications

OmniLOG® PRO 1030	
Frequency Range	150 MHz – 3 GHz (usable from 80 MHz)
Design	Radial isotrop
Polarisation	Vertical, linear
RF Connection	SMA (male)
Nominal Impedance	50 Ohm
VSWR (typ.)	< 2,5:1
Max. Input Power	1 W
Temperature Range	- 40° C – + 70° C
Relative Humidity	0 % – 95 %
Dimensions [L x W x D]	Ø 8,4 x H 9,6 (incl. magnetic base + cable)
Weight	600 g
Warranty	2 years



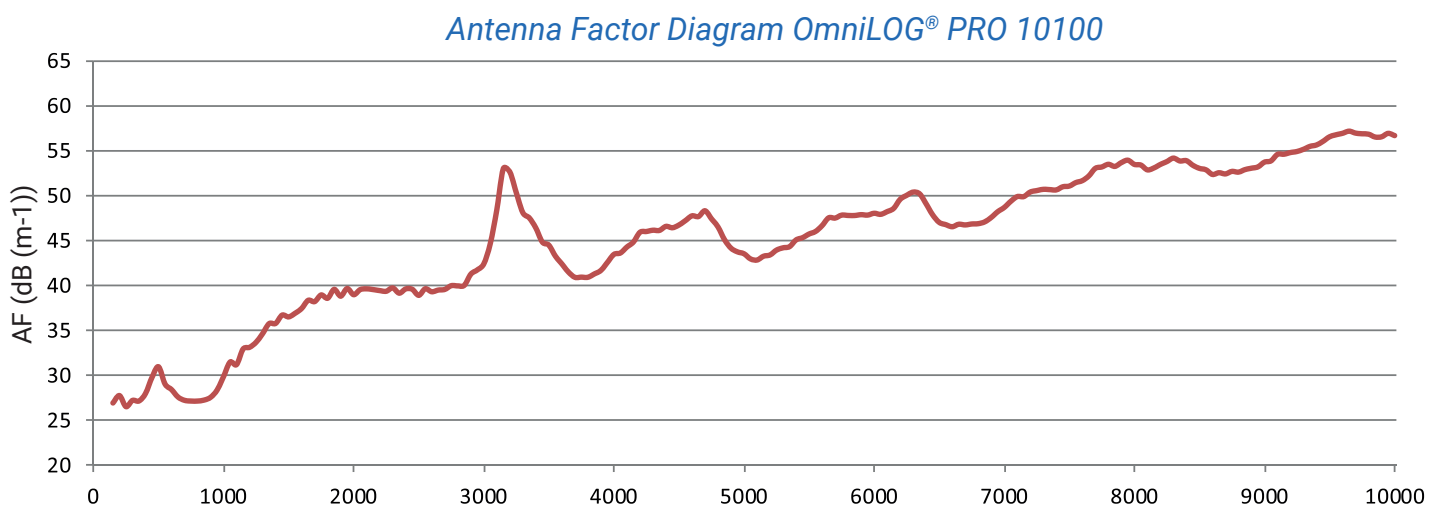
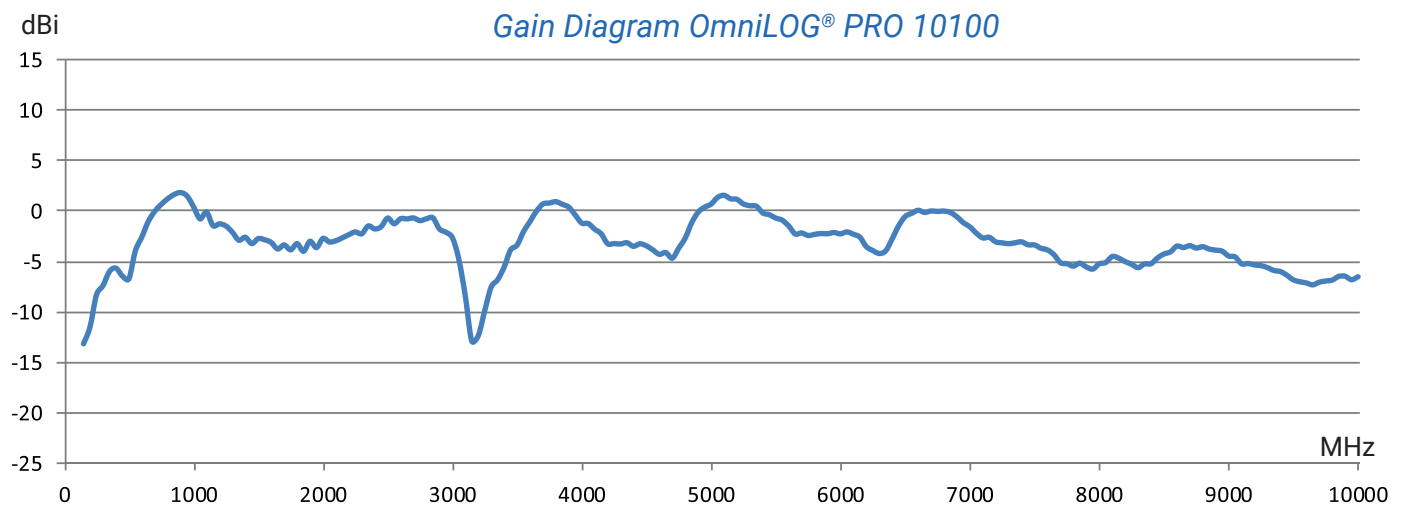
Specifications

OmniLOG® PRO 1060	
Frequency Range	150 MHz – 6 GHz (usable from 80 MHz)
Design	Radial isotrop
Polarisation	Vertical, linear
RF Connection	SMA (male)
Nominal Impedance	50 Ohm
VSWR (typ.)	< 2,5:1
Max. Input Power	1 W
Temperature Range	- 40° C – + 70° C
Relative Humidity	0 % – 95 %
Dimensions [L x W x D]	Ø 8,4 x H 9,6 (incl. magnetic base + cable)
Weight	600 g
Warranty	2 years



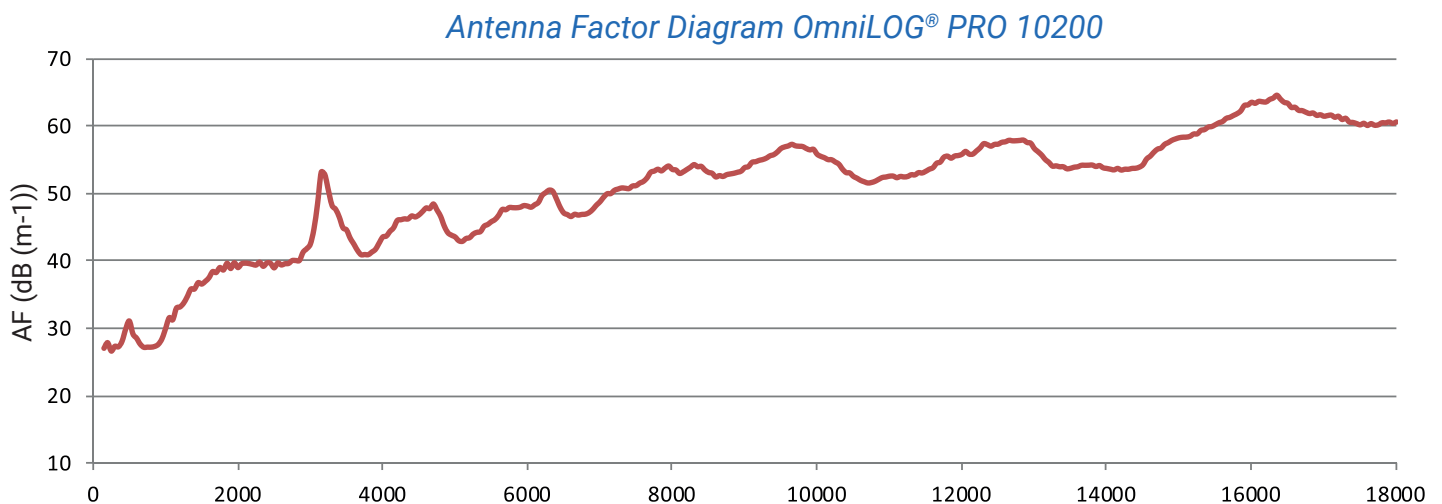
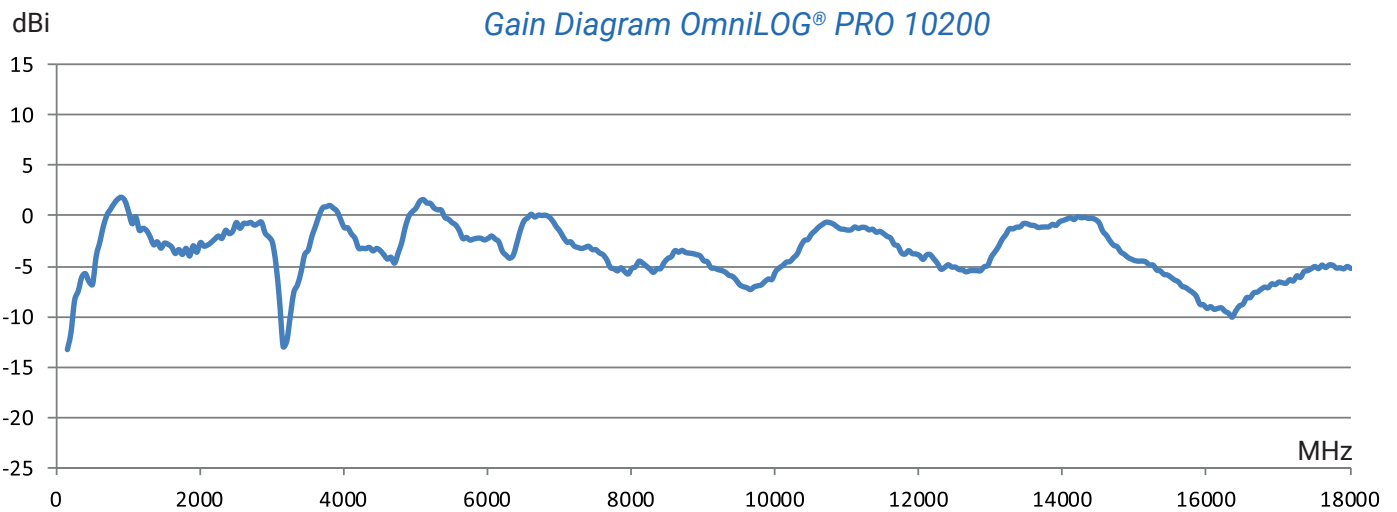
Specifications

OmniLOG® PRO 10100	
Frequency Range	150 MHz – 10 GHz (usable from 80 MHz)
Design	Radial isotrop
Polarisation	Vertical, linear
RF Connection	SMA (male)
Nominal Impedance	50 Ohm
VSWR (typ.)	< 2,5:1
Max. Input Power	1 W
Temperature Range	- 40° C – + 70° C
Relative Humidity	0 % – 95 %
Dimensions [L x W x D]	Ø 8,4 x H 9,6 (incl. magnetic base + cable)
Weight	600 g
Warranty	2 years

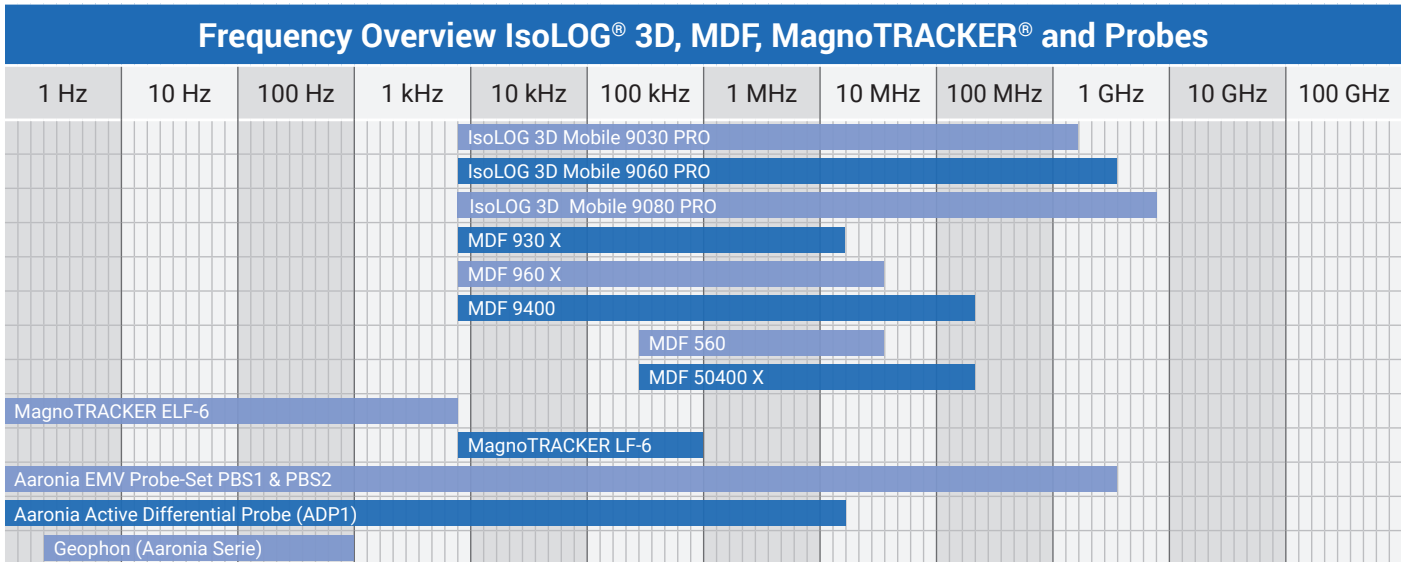
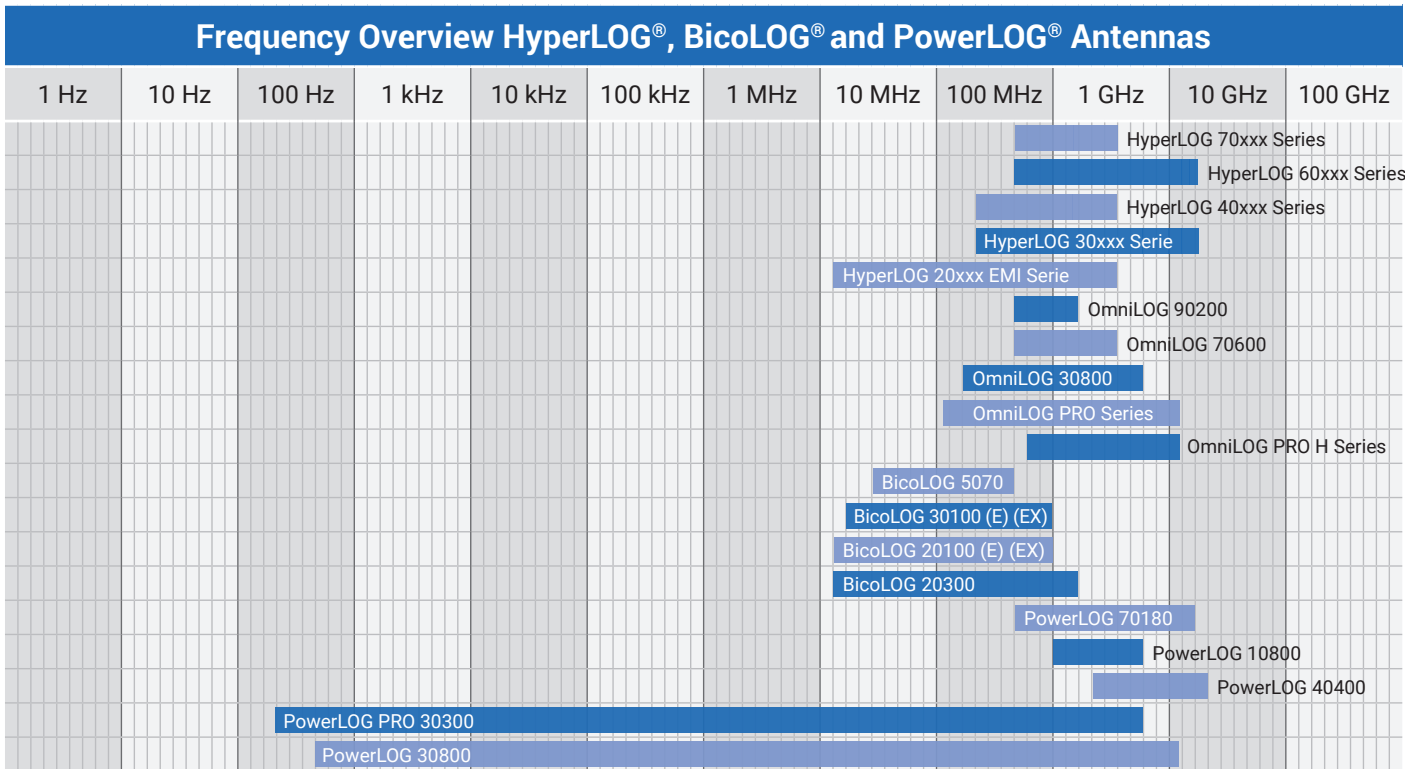


Specifications

OmniLOG® PRO 10200	
Frequency Range	150 MHz – 18 GHz (usable from 80 MHz to 20 GHz)
Design	Radial isotrop
Polarisation	Vertical, linear
RF Connection	SMA (male)
Nominal Impedance	50 Ohm
VSWR (typ.)	< 2,5:1
Max. Input Power	1 W
Temperature Range	- 40° C – + 70° C
Relative Humidity	0 % – 95 %
Dimensions [L x W x D]	Ø 8,4 x H 9,6 (incl. magnetic base + cable)
Weight	600 g
Warranty	2 years



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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