

R&S® ADD011P PORTABLE HF DF ANTENNA

Product Brochure
Version 01.00

ROHDE & SCHWARZ

Make ideas real



AT A GLANCE

R&S®ADDx multichannel DF antennas are vital to Rohde & Schwarz direction finder performance. The technology is based on over 50 years of experience in developing DF antennas with superior sensitivity and accuracy.

The R&S®ADD011P portable HF DF antenna is optimized for radiolocation from semi-mobile COMINT/CESM and spectrum monitoring stations. It is designed for receiving sky and ground waves as well as direction finding.

The lightweight antenna design is ideal for easy transport and installation. When deployed as part of the multichannel DF systems, the antenna uses the correlative interferometer DF method for direction finding.

The optional R&S®ADD011P-HC handling case set is recommended for easy transport.

KEY FACTS

- ▶ Portable DF antenna for ground and sky waves in the frequency range from 300 kHz to 30 MHz
- ▶ Superior system DF accuracy
- ▶ Designed for easy transportation
- ▶ Antenna elements with active/passive switchover for adaptation to the signal environment
- ▶ Measurement of elevation enabling single station location (SSL) (optional)

The photo on cover page shows a similar HF direction finding antenna.

SPECIFICATIONS IN BRIEF

Specifications in brief		
Frequency range ¹⁾		300 kHz to 30 MHz
DF method		correlative interferometer, ready for super-resolution method
Polarization	switchable	vertical, horizontal, circular
System DF accuracy ²⁾		1° RMS (typ.)
Dimensions	Ø × H (array)	approx. 50 m × 3 m (164.04 ft × 9.84 ft)
Weight	without handling cases	
	per antenna element	approx. 19 kg (41.89 lb)
	combiner unit	approx. 22 kg (48.50 lb)
	per antenna cable	approx. 6 kg (13.23 lb)

¹⁾ Below 1 MHz restricted DF accuracy and sensitivity

²⁾ Measurement in reflection-free environment. The RMS error is calculated from the bearings of evenly distributed samples versus azimuth and frequency.

ORDERING INFORMATION

Description	Type	Order No.
Antenna, for use with R&S®DDF550/R&S®DDF5GTS		
Portable HF DF antenna, color: light ivory	R&S®ADD011P	4099.2006.02
Portable HF DF antenna, color: bronze green	R&S®ADD011P	4099.2006.05
Accessory		
Handling case	R&S®ADD011P-HC	4099.2870.02

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- ▶ Local and personalized
- ▶ Customized and flexible
- ▶ Uncompromising quality
- ▶ Long-term dependability

Rohde & Schwarz

The Rohde&Schwarz technology group is among the trail-blazers when it comes to paving the way for a safer and connected world with its leading solutions in test & measurement, technology systems and networks&cybersecurity. Founded more than 85 years ago, the group is a reliable partner for industry and government customers around the globe. The independent company is headquartered in Munich, Germany and has an extensive sales and service network with locations in more than 70 countries.

www.rohde-schwarz.com

Sustainable product design

- ▶ Environmental compatibility and eco-footprint
- ▶ Energy efficiency and low emissions
- ▶ Longevity and optimized total cost of ownership

Certified Quality Management

ISO 9001

Certified Environmental Management

ISO 14001

Rohde & Schwarz training

www.training.rohde-schwarz.com

Rohde & Schwarz customer support

www.rohde-schwarz.com/support

