

R&S® ADD90 VTS DIRECTION FINDING ANTENNA



Product Brochure
Version 01.00

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AT A GLANCE

R&S®ADDx 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.

R&S®ADD090 VTS DF antenna is optimized for radiolocation from fixed vessel traffic service (VTS) stations. It is designed for operation with the R&S®DDF200M digital direction finder and features integrated lightning protection that does not affect performance.

The R&S®GX090 antenna network is the interface between the antenna elements and the DF unit. It comes in two models: model .02 with an interference cancellation module (ICM) and model .12 without an ICM.

The R&S®IN061 power supply is required for antenna cables longer than 96 m.

KEY FACTS

- ▶ Frequency range from 118 MHz to 250 MHz
- ▶ System DF accuracy of 0.5° RMS (typ.)
- ▶ Integrated lightning protection that does not affect performance
- ▶ Multi-element DF antenna with passive antenna elements

SPECIFICATIONS IN BRIEF

Specifications in brief

Frequency range		118 MHz to 250 MHz
Polarization		vertical
System DF accuracy ¹⁾	with installed lightning protection	≤ 0.5° RMS (typ.)
Antenna element design		passive
Dimensions	Ø × H, with lightning rod	approx. 2.07 m × 2 m (6.79 ft × 6.56 ft)
Weight		approx. 40 kg (88.18 lb)

¹⁾ 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		
VTS direction finding antenna	R&S®ADD090	4063.7043.02
Antenna network, for R&S®ADD090, with interference canceller	R&S®GX090	4063.4844.02
Antenna network, for R&S®ADD090, without interference canceller	R&S®GX090	4063.4844.12
Accessories		
Intermediate mast		
Mast extension, length: 2 m	R&S®KM090	4067.5722.02
Power supply		
Power supply	R&S®IN061	4041.9508.02

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- ▶ Uncompromising quality
- ▶ Long-term dependability

Rohde & Schwarz

The Rohde & Schwarz technology group is among the trailblazers 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

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