

# R&S®RD016 ANTENNA ROTATOR

Azimuth and elevation control of the R&S®AC008  
microwave directional antenna



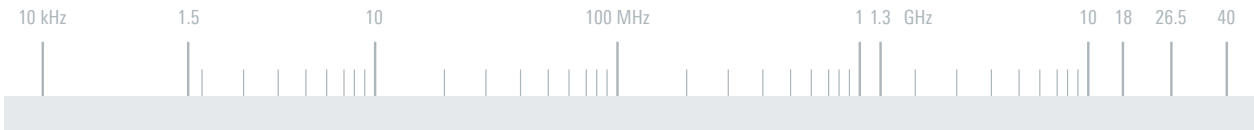
The portable R&S®RD016 antenna rotator is used to remotely rotate the R&S®AC008 microwave directional antenna for detection of RF signals and for field strength measurements.

The rotator is controlled and powered via the R&S®GB016 control unit.

## Key facts

- ▶ DC gear motors ensure very short run-up time and high efficiency
- ▶ Accurate positioning
- ▶ Sturdy micro switches as limit switches for azimuth and elevation
- ▶ Protected against splash water
- ▶ Flange for fixation of the R&S®AC008 microwave directional antenna and the R&S®AC008-Z tripod





**Specifications**

Supply voltage range		18 V to 36 V DC
Maximum rated current		10 A (peaks up to 15 A)
Motor power		240 W
Interface		RS-485
Range of movement	azimuth	360°
	elevation	0° to +30° (-6° to +74° with preadjustment of R&S®AC008)
Speed of rotation	azimuth	approx. 3°/s
	elevation	approx. 0.3°/s
Positioning accuracy		±0.1°
Permissible driving torque	azimuth	approx. 150 Nm
	elevation	approx. 80 Nm
Permissible bending moment at top flange		approx. 200 Nm
Permissible axial load		600 N
Operating temperature range		-35°C to +63°C
Maximum duty cycle		25%
Protection class		IP66
Dimensions	W x H x D	approx. 360 x 310 x 270 mm (14 x 12 x 11 in)
Weight		approx. 13 kg (29 lb)

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**Ordering information**

	Type	Order No.
Antenna rotator	R&S®RD016	4077.9008.02
<b>Recommended extras</b>		
Control unit	R&S®GB016	4056.7006.03
Control cable, length: 10 m	R&S®GK016K1	4077.9150.00
Antenna remote control software (ARCOS), for R&S®AC008 microwave directional antenna in combination with R&S®GB016 and R&S®RD016	R&S®CP001	4069.6384.03



R&S®RD016 with R&S®AC008 and R&S®GB016



Bottom view of R&S®RD016