

R&S®GB016 Control Unit



Control of polarization networks as well as amplifier and bypass circuits for crossed log-periodic antenna feeds

Features

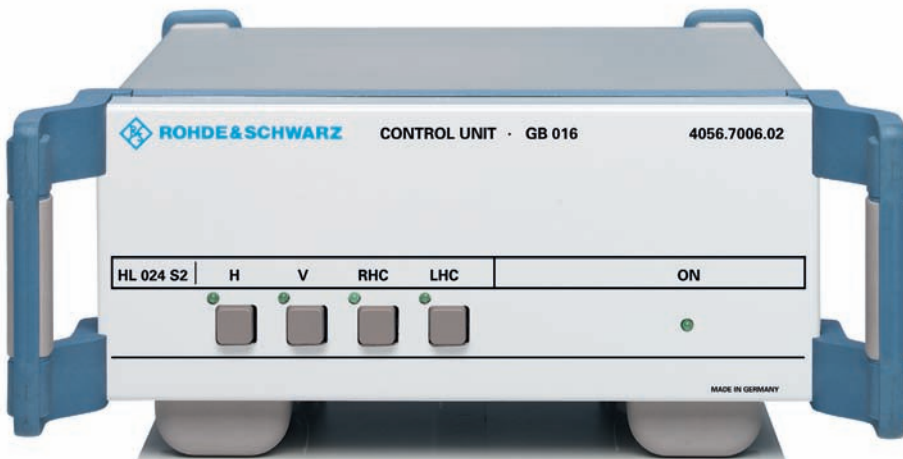
- ▮ Manual or remote control
- ▮ Mobile or stationary use
- ▮ AC or DC voltage supply
- ▮ Suitable for wide AC voltage range
- ▮ Little maintenance required

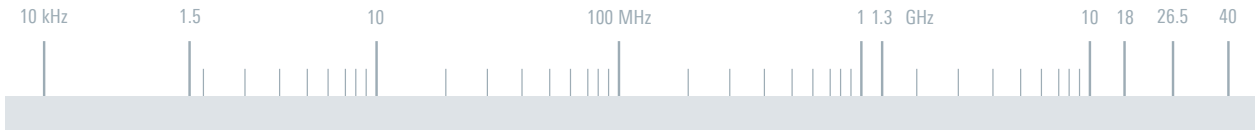
Brief description

The R&S®GB016 control unit is used for selecting the polarization as well as for activating or bypassing amplifiers and power supplies of the following log-periodic antennas:

- ▮ R&S®HL024S2, R&S®HL024S7
- ▮ R&S®HL024S8, R&S®HL024S9
- ▮ R&S®HL050S7
- ▮ R&S®HL007A2 via R&S®ZS107 (model .02)
- ▮ R&S®HL007A2 via R&S®ZS107 (model .04)

Polarization can be selected either manually using four keys or remote-controlled via a serial RS-232-C interface. The polarity for the switchover (positive or negative logic) is set by means of device-internal jumpers.





Specifications	
Power supply – AC/mains supply	
AC	85 V to 264 V AC, 50 Hz to 400 Hz
DC	100 V to 375 V DC
Power consumption	3 A
Power supply – DC/battery supply	
DC	+15 V DC ±15%
Power consumption	max. <3.5 A
Interface for antenna control	
Interface	15-contact, D-Sub female
Supply voltages	+15 V DC (max. 1.5 A), +12 V DC (max. 1.5 A)
3 × control line	max. 0.5 A

Remote-control interface	serial RS-232-C, 9-contact, D-Sub
MTBF	>300 000 h (on-period 100%)
Operating temperature range	-10°C to +65°C
Dimensions (H × W × D)	approx. 110 mm × 250 mm × 300 mm (approx. 4.3 in × 9.8 in × 11.8 in)
Weight	approx. 3 kg (approx. 6.6 lb)

Ordering information	Type	Order No.
Control Unit	R&S®GB016	4056.7006.02
Recommended extras		
Control Cable, for R&S®HL024Sx and R&S®HL050S7, length 10 m	R&S®GB016Z1	4056.7270.02
Antenna Remote Control Software (ARCOS)	R&S®CP001	4069.6384.0x x = 5/6

