

R&S®IN500 Bias Unit



20 MHz to 3 GHz

Power supply for active receiving antennas via signal cable

Features

- AC supply or battery operation
- Wide supply voltage range (110 V or 240 V AC)
- Short-circuit-proof
- Operating frequency range 20 MHz to 3 GHz
- Wall-mounting possible

Brief description

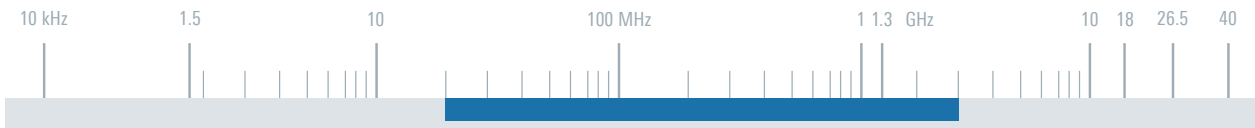
The R&S®IN500 bias unit is used to supply power to an active receiving antenna. The supply voltage is fed to the antenna via the inner conductor of the coaxial cable.

A regulated power supply unit generates the interference-free, smoothed DC voltage. The DC voltage is applied to the inner conductor of the antenna connector via a bias unit. The conductor of the receiver connector is DC-free.

The AC supply voltage of the R&S®IN500 is factory-set to 240 V AC. The unit can also be switched to 110 V AC or battery supply.

Recommended for use with the R&S®HE 500 active receiving antenna.





Specifications	
Frequency range	20 MHz to 3 GHz
Input impedance	50 Ω
VSWR	≤2
Insertion loss S ₂₁	≤2 dB
Power supply	
AC/mains supply	100/120/220/240 V AC ±10%
DC/battery supply	24 V DC
Power consumption	max. 10 VA
Output voltage	
AC operation	20 V DC ±1.5 V DC
Battery operation	20 V DC ±1.5 V DC at 24 V DC power supply

Load current	max. 190 mA
Connector	2 × N female
MTBF	>150000 h
Operating temperature range	-40°C to +60°C
Dimensions (H × W × D)	approx. 90 mm × 160 mm × 170 mm (approx. 3.5 in × 6.3 in × 6.7 in)
Weight	approx. 1.7 kg (approx. 3.7 lb)

Ordering information	Type	Order No.
Bias Unit	R&S®IN500	4062.0880.02

