R&S®IN115 Power Supply Unit

9 kHz to 1.3 GHz

Power supply for up to three active receiving antennas via signal cable



Features

- AC supply or battery operation
- Wide supply voltage range (100 V to 240 V AC)
- Short-circuit-proof
- Wide frequency range 9 kHz to 1.3 GHz
- Three different DC feed sections
- Wall-mounting possible (clip for wall mounting included)

Brief description

The R&S®IN115 power supply unit supplies active receiving antennas. The supply voltage is fed to the antennas via the inner conductor of the coaxial cable.

A regulated power supply unit generates the interferencefree, smoothed DC voltage. Each DC voltage is fed to the inner conductor of the antenna connector via a DC feed section. The conductors of the receiver connectors are DC-free.

Three different antenna systems can be supplied simultaneously with the R&S®IN115.

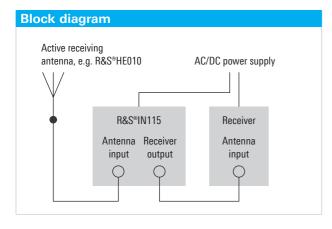




Specifications			
Frequency range	9 kHz to 1.3 GHz		
Input impedance	50 Ω		
VSWR			
9 kHz to 1 GHz	<2		
1 GHz to 1.3 GHz	<2.5		
Insertion loss S ₂₁	<1.5 dB		
Power supply			
AC/mains supply	100/120/220/240 V AC ±10%		
DC/battery supply	22 V to 31 V DC		
Power consumption	max. 50 VA		
Output voltage			
AC operation	3 × 24 V DC +5%, -10%		
Battery operation	$3 \times 18 \text{ V DC } \pm 5\%$ at 22 V DC power supply		

Load current	max. 500 mA per output	
Short-circuit current	max. 200 mA	
RF connectors	3 × 2 N female	
DC connector	MIL-C-5015	
MTBF	>100000 h	
Operating temperature range	−25°C to +55°C	
Dimensions (W \times H \times D)	approx. 170 mm \times 125 mm \times 350 mm (approx. 6.7 in \times 4.9 in \times 13.8 in)	
Weight	approx. 5.5 kg (approx. 12.1 lb)	

Ordering information	Туре	Order No.
Power Supply Unit	R&S®IN115	4004.1707.02





The R&S®IN115 simultaneously supplies up to three independent active antenna systems.