

Power supply		
R&S®HA-Z301 AC power supply	input specifications	100 V to 240 V AC, 50 Hz/60 Hz, 1.0 A to 0.5 A
	output specifications	15 V, 2.67 A, max. 40 W
	operating temperature range	-30 °C to +60 °C
	storage temperature range	-40 °C to +85 °C
	test marks	CE, UL, PSE, TUV
External DC voltage		14.65 V to 15.45 V
Battery		lithium-ion battery
Capacity	R&S®HA-Z306	72 Wh
Voltage		11.25 V (nom.)
Operating time with new, fully charged battery	R&S®HA-Z306	
	R&S®Spectrum Rider FPH model .02	8 h
	R&S®Spectrum Rider FPH model .06	7 h
	R&S®Spectrum Rider FPH models .13/.26	6 h
Charging time	instrument switched off or charge with R&S®HA-Z303 battery charger	3.5 h
	instrument switched on	4 h
Life time	charging cycles	> 80 % or more of its initial capacity after 300 charges/discharges
Power consumption	model .02	8 W (meas.)
	model .06	10 W (meas.)
	models .13/.26	12 W (meas.)
Safety		IEC 61010-1, EN 61010-1, UL 61010-1 (Third Edition), CAN/CSA-C22.2 No. 61010-1-12
Test mark		VDE, CSA, CSA-NRTL
EMC	in line with European EMC Directive 2004/108/EC	<ul style="list-style-type: none"> EN 61326-1 class B (emission) CISPR 11/EN 55011/group 1 class B (emission) EN 61326-1 table 2 (immunity, industrial)
Dimensions	W x H x D	202 mm x 294 mm x 76 mm (8.0 in x 11.6 in x 3 in)
Weight		2.5 kg (5.5 lb)
Recommended calibration interval		1 year

Equivalence of specifications for different R&S®FPH part numbers

- The specifications for part number 1321.1111.02 are equivalent to part number 1321.1111.52 and 1321.1111P01.
- The specifications for part number 1321.1111.06 are equivalent to part number 1321.1111.56 and 1321.1111P04.
- The specifications for part number 1321.1111.13 are equivalent to part number 1321.1111.63 and 1321.1111P06.
- The specifications for part number 1321.1111.26 are equivalent to part number 1321.1111.76 and 1321.1111P08.

R&S®FPH-B100 type N RF input connector for model .26

Frequency range	model .26 with R&S® FPH-B100 option (R&S®FPH-B31 option is not available in combination with R&S®FPH-B100 option.)	5 kHz to 26.5 GHz
Frequency response	temperature range from +20 °C to +30 °C	
	5 kHz ≤ f < 10 MHz	< 1.5 dB (nom.)
	10 MHz ≤ f < 8 GHz	< 1 dB
	8 GHz ≤ f < 20 GHz	< 2 dB
	20 GHz ≤ f ≤ 26.5 GHz	< 2.5 dB
VSWR	100 kHz ≤ f ≤ 100 MHz	< 2 (nom.)
	100 MHz < f ≤ 1 GHz	< 1.5 (nom.)
	1 GHz < f ≤ 15.7 GHz	< 2 (nom.)
	15.7 GHz < f ≤ 26.5 GHz	< 2.7 (nom.)