Power sensor overview

		Level range	Frequency range	Connector type
Three-path diode power sensors	R&S®NRP-Z11	–67 dBm … +23 dBm	10 MHz … 8 GHz	N
	R&S®NRP-Z21	–67 dBm … +23 dBm	10 MHz … 18 GHz	N
	R&S®NRP-Z22	–57 dBm … +33 dBm	10 MHz … 18 GHz	N
	R&S®NRP-Z23	–47 dBm … +42 dBm	10 MHz … 18 GHz	N
	R&S®NRP-Z24	–42 dBm … +45 dBm	10 MHz … 18 GHz	N
	R&S®NRP-Z31	–67 dBm … +23 dBm	10 MHz … 33 GHz	3.5 mm
	R&S®NRP-Z41	–67 dBm … +20 dBm	50 MHz … 40 GHz	2.92 mm
	R&S®NRP-Z61	–67 dBm … +20 dBm	50 MHz … 50 GHz	2.4 mm
Two-path diode power sensors	R&S®NRP-Z211	–60 dBm … +20 dBm	10 MHz … 8 GHz	N
	R&S®NRP-Z221	–60 dBm … +20 dBm	10 MHz … 18 GHz	N
Wideband power sensors	R&S®NRP-Z81	–60 dBm … +20 dBm	50 MHz … 18 GHz	N
	R&S®NRP-Z85	–60 dBm … +20 dBm	50 MHz … 40 GHz	2.92 mm
	R&S®NRP-Z86 model .40	–60 dBm … +20 dBm	50 MHz … 40 GHz	2.4 mm
	R&S®NRP-Z86 model .44	–60 dBm … +20 dBm	50 MHz … 44 GHz	2.4 mm
Thermal power sensors	R&S®NRP-Z51	–35 dBm … +20 dBm	DC … 18 GHz	N
	R&S®NRP-Z52	–35 dBm … +20 dBm	DC … 33 GHz	3.5 mm
	R&S®NRP-Z55 model .03	–35 dBm … +20 dBm	DC … 40 GHz	2.92 mm
	R&S®NRP-Z55 model .04	–35 dBm … +20 dBm	DC … 44 GHz	2.92 mm
	R&S®NRP-Z56	–35 dBm … +20 dBm	DC … 50 GHz	2.4 mm
	R&S®NRP-Z57	–35 dBm … +20 dBm	DC … 67 GHz	1.85 mm
	R&S®NRP-Z58	–35 dBm … +20 dBm	DC … 110 GHz	1 mm
Average power sensors	R&S®NRP-Z91	–67 dBm … +23 dBm	9 kHz … 6 GHz	N
	R&S®NRP-Z92	–57 dBm … +33 dBm	9 kHz … 6 GHz	N
Level control sensors	R&S®NRP-Z28	–67 dBm … +20 dBm	10 MHz … 18 GHz	N
	R&S®NRP-Z98	–67 dBm … +20 dBm	9 kHz … 6 GHz	N
Power sensor modules	R&S®NRP-Z27	–24 dBm … +26 dBm	DC … 18 GHz	N
	R&S®NRP-Z37	–24 dBm … +26 dBm	DC … 26.5 GHz	3.5 mm

Level range: –60 dBm, –50, –40, –30, –20, –10, 0, +10, +20, +30, +40 dBm

Frequency range: DC, 1 kHz, 10 kHz, 100 kHz, 1 MHz, 10 MHz, 100 MHz, 1 GHz, 10 GHz, 100 GHz