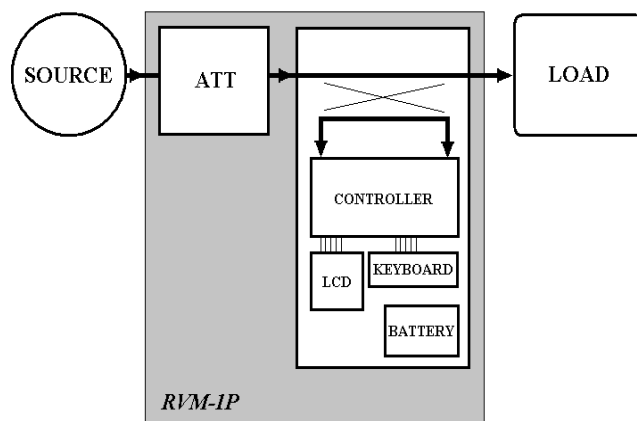


Product information: Vers 1D, issue Nov 2011, revised Oct 2013

**RVM-1P is through line average power sensor and SWR meter in one case. Wideband RVM-1P works in frequency range 2MHz up to 3GHz.**

### GENERAL DESCRIPTION

RVM-1P consists from two parts: attenuator and RF power sensor. External attenuator provides for measurements of very high power up to 100W. Built-in directional coupler gives the opportunity to measure both incident source power and load SWR (see figure on the right side). External attenuator calibration coefficients are saved into internal memory of power sensor.



### KEY FEATURES

- Measurements of RF power and SWR
- Wideband
- Compact and hand-held
- Good dynamics
- Large LCD with switched back-light
- Replaceable batteries

### APPLICATION AREAS

- VHF/UHF
- FM-radio
- CATV-networks
- GPS
- GSM900/1800
- UMTS and LTE

### TECHNICAL SPECIFICATIONS (RF power sensor parameters)

Parameter	Specification	Unit
Frequency range	2-3000	MHz
Sensor insertion loss (without attenuator)	2.2	dB
Sensor maximum input level (without attenuator)	+19	dBm
Sensor minimum input level (without attenuator)	-40	dBm
RF power sensor type	Average power sensor	-
Measurement range of VSWR 2-1000MHz	1.1 up to 50	-
Measurement range of VSWR 2-2500MHz	1.2 up to 20	-
Measurement range of VSWR 2-3000MHz	1.3 up to 20	-

### TECHNICAL SPECIFICATIONS (attenuator RF parameters)

Parameter	Specification	Unit
Attenuation	30	dB
Maximum input RF power <i>continuous</i>	+43 (20W)	dBm
Maximum input RF power <i>in peak (1min)</i>	+50 (100W)	dBm

### TECHNICAL SPECIFICATIONS (set: RF power sensor + attenuator)

Parameter	Specification	Unit
Batteries	2xAA	-
Current consumption without LCD back-light	5	mA
Current consumption with LCD back-light	40	mA
Impedance	50	Ohm
RF connectors	N-female	-
Dimensions, RF power sensor	155x75x25	mm
Dimensions, attenuator	150x60x55	mm



Rantelon reserves the right to change the document without notice.