

# PIM Rack Analyzer

## Product Overview

Rosenberger Rack Analyzers are designed to make PIM tests in production or test lab environments exceptionally modular, precise, and efficient. The budget-friendly broadband base unit concept offers maximum flexibility thanks to the option of connecting up to 11 filter units to one base unit. Integrated DTF measurement enables faster fault-finding by accurately pointing out the source of PIM. With the plug-and-play filter concept, intuitive software operation, and easy-to-replace dust filters, it is possible to create a significant reduction in production downtime caused by changes in test frequencies or maintenance and servicing work.



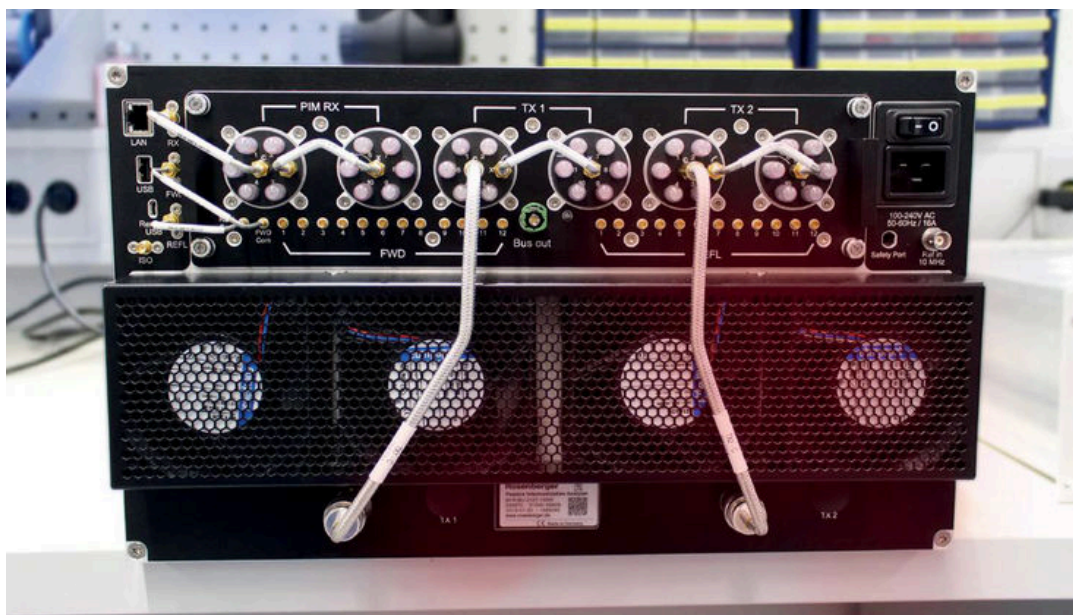
## Features

- Intuitive, user friendly software operation
- Easy-to-replace dust filters to reduce downtime caused by maintenance work
- No production downtime when setup is rearranged (plug-and-play filter inserts)
- 9" touchscreen, Win7 OS
- Temperature controlled fan for quiet operation
- Optional safety port to remote disable amplifiers from test chamber contact



## Benefits

- Broadband base units 700 to 2200 MHz and 2100 to 2700 MHz
- Connect up to 6/11 filters to one base unit via optional easy-to-install switch matrix
- Time-efficient, automatic band switching when measurement band is changed (thanks to the optional switch matrix)
- Designed for 24/7 production use



## General Specifications

Model	PIM Rack Analyzer
IM Order	3rd, 5th, 7th, 9th, 11th, 13th, 15th, 17th
Output power (at test port of 3 dB coupled filters)	26 to 52 dBm 23 to 46 dBm)
Residual PIM	<-128 dBm (>171 dBc @ 2x +43 dBm) <-131 dBm (>174 dBc @ 2x +43 dBm) typ
PIM vs. distance accuracy Range	<0.3 m, all bands Depends on number of PIM sources and accuracy of cable velocity factor Down to -120 dBm PIM, 0 to 150 m
Frequency range Base unit (IM-R-BU-0722) Base unit (IM-R-BU-2127)	698to 2200 MHz (seamless) 2100 to 2700 MHz (seamless)
Filter units	700APT, 700LU, 800, 850, 900, 1400, 1800, 1900,1900PCS/AWS, 2100, 2350WCS, 2600 MHz

