Shure PSM 900 Wireless Personal Monitoring System with IEMs (G6: 470-506MHz)

Download Spec Sheet @ www.rentex.com/spec/COMPSM9-KIT.pdf **Rentex Product No. COMPSM9-KIT**

The PSM900 from Shure is a professional-quality wireless monitoring system that provides high-quality audio and RF performance in a compact and durable design. The system consists of a P9T transmitter, a P9RA bodypack receiver, and a pair of SE425CL in-ear monitors. The system features an enhanced digital stereo encoder that enhances audio detail and clarity, and patented Audio Reference Companding that sounds more like wired audio than other competing wireless systems.

Features

- Compact and Rugged
- Strong RF Performance
- Scan and Sync IR Link
- High-Quality Audio
- RF Muting
- Includes SE425CL In-Ear Monitor

PSM 900 System

RF Carrier Range	470–952 MHz (regionally dependent)
Compatible Frequencies	20 per band
Tuning Bandwidth	36 MHz – 40 MHz (regionally dependent)
Operating Range	90m (300ft)
Audio Frequency Response	38Hz – 15kHz
Stereo Separation	60 dB
Signal-To-Noise Ratio	90 dB (typical)
Total Harmonic Distortion	<0.5% (typical)
Companding	Patented Shure Audio Reference Companding
Spurious Rejection	>80 dB (typical)
Frequency Stability	±2.5 ppm
MPX Pilot Tone	19 kHz (±0.3 kHz)
Modulation	FM, ±34 kHz deviation (nominal), MPX Stereo
Operating Temperature	-18°C – +57°C

PSM 900 Body Pack P9RA

Front-End RF Filtering	470–952 MHz (regionally dependent)
Active RF Gain Control	Adjusts receiver RF sensitivity to provide 31dB more RF dynamic range
RF Sensitivity (20 dB SINAD)	2.2 µV at 20dB SINAD
Squelch Threshold	20 dB ±3 dB SINAD
Adjacent Channel Rejection	>70 dB
Intermodulation Attenuation	>50 dB (referenced to 30 dB SINAD with -80 dBm on channel signal at 45 kHz deviation of a 1 kHz tone), > 70 dB for 12 dB SINAD
Blocking	>80 dB
Image Rejection	>90 dB typical
Audio Output Power	100 mW
Minimum Load Impedance	9.5 Ω
High Boost	Selectable: +2 dB, +4 dB @ 10 kHz
Volume Limiter	Selectable: 3-9
Battery Life	4–6 hours (continuous use)
Net Weight	200 g with batteries
Dimensions	99 mm x 66 mm x 23 mm

PSM 900 Tansmitter P9T

RF Output Power	Selectable: 10, 50, 100 mW (regionally dependent)
RF Output Impedance	50 Ω (typical)
Connectors	2 x XLR/TRS Combo Inputs 2 x 1/4" Loop Outputs 1 x DC Power Input 1 x Antenna Connector 1 x 3.5mm Headphone Jack Pin Assignments XLR: 1=ground, 2=hot, 3=cold 6.35 mm (1/4") TRS
Polarity	XLR: Non-inverting (pin 2 positive with respect to pin 3) 6.35 mm (1/4") TRS: Tip positive with respect to ring
Configuration	Electronically balanced
Impedance	70.2 kΩ (actual)
Nominal Input Level	Switchable: +4 dBu, –10 dBV
Max Input Level	+4 dBu: +23.3 dBu | –10 dBV: +12.5 dBu
Protection	Phantom Power Protection: Up to 60 V DC
Power Requirement	100-15V AC, 415 mA, typical
Net Weight	850 g
Dimensions	197 mm x 166 mm x 42 mm (7.75in X 6.55in X 1.65in)