

900 Transceiver



Description

Applications - For use with RG3 Tesla RF equipped endpoints operating in the 900 MHz band. The 900 Transceiver is a mobile data collector that eliminates physical access to the meter after installation by utilizing a 1-Watt transceiver to enable 2-Way communication with RG3 Tesla RF endpoints and almost any USB equipped computer.

Operating Characteristics: The 900 Transceiver communicates directly with RG3 Tesla 900 MHz endpoints to collect meter reads, statuses, alarms and data logs, as well as, performing more advanced functions like programming, troubleshooting and transmission confirmation.

Transmission: The 900 Transceiver transmits at a full 1-watt. All functions are accomplished through streamlined 2-way communication utilizing the FCC approved unlicensed 902-928 MHz band. To ensure transmission success and data security, the 900 Transceiver employs Cyclic Redundancy Checks (CRC), Spread Spectrum Frequency Hopping Modulation, and Channel Coding.

Wireless Field Programing: RG3 Tesla 4 TR integrated register endpoints can retrofit almost any meter with a removable register but must be configured for the meter type, size, and manufacture. The 900 Transceiver is used to program the Tesla 4 TR register to the desired meter configuration. The 900 Transceiver enables the user to program the meter manufacturer, meter model, meter type, meter size, unit of measure, and meter read for seamless operation within an RG3 Tesla AMR system.

Mounting: The compact design of the 900 Transceiver allows for easy placement while in use. DO NOT place on a dash in the summertime as excessive heat will damage sensitive components reducing product performance. As a point of reference, refrain from mounting the 900 Transceiver anywhere that will overheat the average cellular phone.

Specifications

Transceiver Type	Dual transceiver design for maximum throughput
Communication Type	2-Way RF Communication
Dimensions	89 mm (3.5") length X 108 mm (4.25") width X 35 mm (1.375")
Weight	181 grams or 6.4 oz
Modulation	Spread Spectrum GFSK
Temperature	-5° to 125°F (-20° to 51°C)
Signal Output	1-Watt RF transmission
Signal Type	Unlicensed 900 MHz Frequency
Power Supply	USB-C or USB-A with 12v Adapter
Data Input	USB-C

