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# Boonton RF Power Sensor/Voltage Probe Security Procedures

This discussion covers the following Boonton Electronics models: All peak and CW RF Power Sensors and all RF Voltage Probes. All current Boonton power sensors and voltage probes contain non-volatile memory for the purpose of storing sensor and calibration data.

1. **Size/type of memory**
   a. Maximum Non-volatile EEPROM, 16384-bit (2Kx8)

2. **Location of memory**
   a. Peak power sensors: Inside sensor housing
   b. CW power sensors: "Smart Adapter" or cable plug at instrument end of sensor cable
   c. RF voltage probes: "Smart Adapter" or cable plug at instrument end of sensor cable

3. **Contents of memory**
   a. Sensor/probe characteristics (type, operating parameters)
   b. Manufacturing and calibration dates
   c. Model and serial number
   d. Linearity calibration data
   e. Frequency calibration data
   f. Temperature calibration data
   g. Factory or calibration lab identification string

4. **Memory read access**

   EEPROM information is uploaded to the power meter or voltmeter after the sensor/probe is connected to the instrument. Certain data may be viewed on display, and all data may be read via instrument's remote interface using published commands.

5. **Memory write access**

   There is no user accessible EEPROM memory in Boonton Power sensors, or RF probes. The WTG (Boonton) Factory calibration centers can write (3a) through (3g) data to the EEPROM via special software during the calibration, but the software and write procedures are not available to anyone other than authorized factory personnel.

6. **Sanitization procedure**

   There is no user accessible EEPROM memory and as a result there is no memory sanitization procedure for Power Sensors, or RF probes.