

DIRECT READING & PROGRAMMABLE ATTENUATORS

FOR PRECISION CALIBRATION & AUTOMATED TESTING

ERAVANT
FORMERLY SAGE MILLIMETER

Eravant has developed millimeterwave and Sub-THz “hybrid function” direct reading and programmable waveguide rotary vane attenuators for high level precision calibration, system power level control, and automated testing. The hybrid attenuator family covers a combined frequency range of 18 to 330 GHz in 13 distinct waveguide bands. The attenuation level can be set either manually via a mechanical knob on the front panel or remotely via a USB Type B port. The attenuation value is displayed in a large digital LCD screen for easy direct reading. The LCD screen is powered by an internal rechargeable battery, which can support around 20 hours of continuous operation and is charged via the 2.5mm DC jack by a provided power adapter. The 2.5mm DC jack also provides power to the stepper motor, encoder and internal microprocessor for the programmable mode function. The user can quickly switch to programmable mode by connecting the powered-up attenuator to a computer with a USB port. In programmable mode, the attenuation is finely adjusted with a precision stepper motor by the internal microprocessor via user-entered serial port commands from the computer. The small but powerful stepper motor is capable of changing the attenuation from 0 dB to 60 dB in around 5 seconds. The hybrid attenuator is packaged individually in a rugged equipment box with additional hardware and tools. The hybrid attenuators are an ideal tool for calibration and test labs where precise manual or automated power level control is required.

FEATURES

- Full Band Operation From 18 to 330 GHz Across 13 Models
- Manual and Programmable Operation Modes in One Package
- 0 to 60 dB Attenuation Range (WR-42 to WR-06)
- 20 Hour Rechargeable Battery Life for Manual Mode
- USB Type B Port Communication Interface
- Fast Positioning in Programmable Mode (From 0 to 60 dB in 5 Seconds Typical)

APPLICATIONS

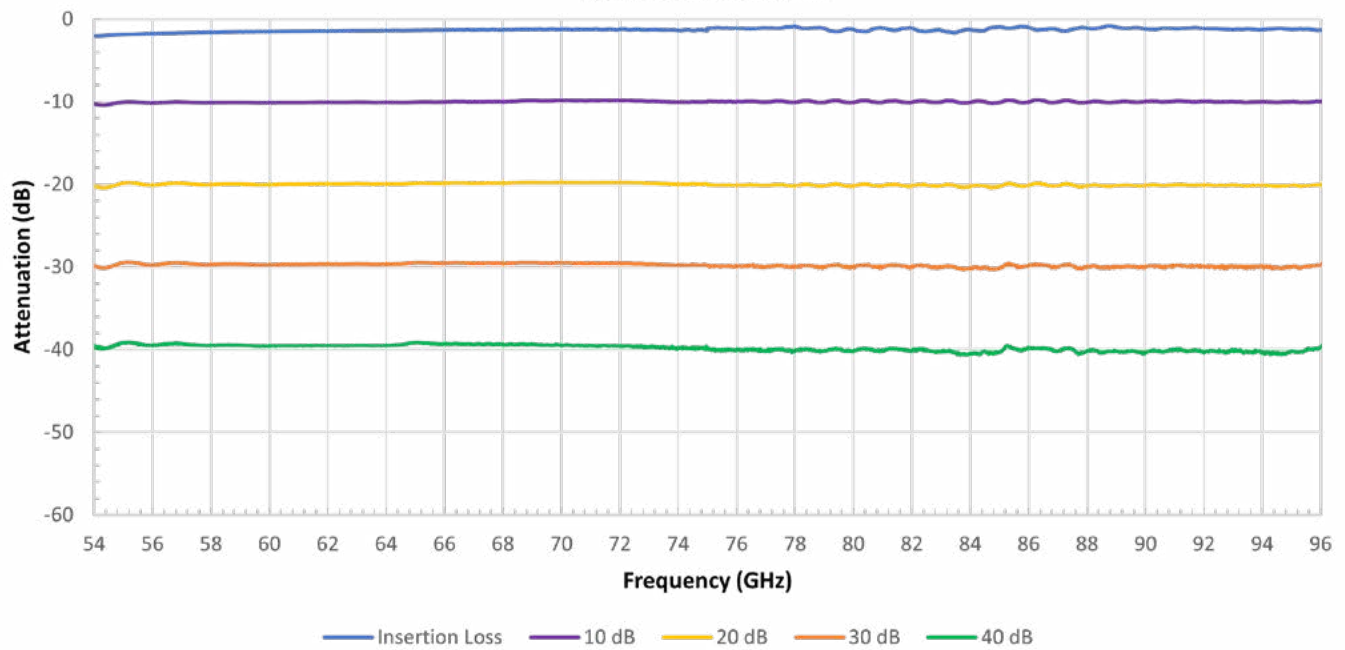
- Automated Test Setups (ATE)
- Test and Calibration Lab Equipment Setups



Left and right side profiles, featuring USB port for programmable mode and power button.



Typical Measured Attenuation vs Frequency (Extended Bandwidth)
Model STA-60-12-S1



Typical Measured Attenuation vs Frequency
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