

TW-1 Talking Watt Meter



“Your Forward Power in 112 Watts”

The TW-1 Talking Wattmeter provides an aural spoken indication of power and SWR using a digitally recorded voice. It is ideal for the vision-impaired, for those of us in the “bi-focal set”, or just for those times when you need to be looking somewhere else. At the press of a button, the TW-1 speaks the forward power, reverse power or SWR. Three languages are available: English, Spanish and German. It includes its own internal speaker; no external audio hookups are needed.

The TW-1 also offers a continuous tone mode for tuning. Simply press and hold the Forward button, and a tone indicates power. As you adjust your amplifier or antenna tuner, a higher tone indicates higher power. This is just the thing for peaking your amplifier while keeping a close watch on the grid current.

You can select either long or short voice reports. Long reports include descriptors like “thousand” or “hundred” and end with “forward watts” or “reverse watts”. Short reports speak only the numerical value of the measurement you’ve selected for a quick reading.



The TW-1 needs just 1 watt to operate, but will handle up to 2000 watts PEP, making it suitable for everything from QRP to the largest amplifiers in amateur service. The TW-1 is accurate to +/- 5% of reading across the entire power range; this may very well be the most accurate wattmeter you own. Resolution is 1 watt or 1% of reading (whichever is higher).

The TW-1 is microprocessor controlled, and can easily be upgrade in the field with a simple chip exchange. It requires 11 – 15 volts DC at 200 mA maximum, but consumes almost no current when not speaking.



Specifications

- Speaks Forward and Reverse power in watts, as well as SWR
- Continuous tone for making amplifier or tuner adjustments
- Power range: 0 – 2000 watts PEP, autoranging
- Accuracy: +/- 5% of reading across entire HF range (+/-10% on 6M)
- Resolution: 1 watt or 1% of reading
- Languages: English, Spanish, German
- Power requirements: 11 – 15 volts DC at 200 mA maximum
- Idle current (not speaking): effectively zero; less than one microamp
- Frequency range: 1.8 – 54 MHz
- Size: 5” deep x 4.5” wide x 3” high
- Weight: 1 lb.

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