

- Power measurement up to 20 kHz; voltage measurement up to 1 MHz.
- Seven power ranges: 100 μ W f.s. to 25 watts f.s.
- Load impedance: 2.5 Ω to 20 k Ω in 40 steps.
- Nine voltage ranges: 15 mV f.s. to 150 volts f.s.



The TF 2500 is not only a wide range a.f. absorption power meter but also an accurate electronic voltmeter suitable for use up to 1 MHz. Furthermore, the voltmeter section can be used with external loading for direct measurement of power over the whole of its frequency range. In addition to the normal audio frequency power applications, therefore, the instrument can be used as a directly calibrated level monitor for a wide variety of transmission systems, including f.d.m. baseband networks.

Its high sensitivity facilitates direct measurement of very low power levels down to less than 10 μ W—so that the TF 2500 can be used for signal-to-noise ratio or noise-factor measurement on low-noise equipment, where most other general purpose output power meters give inadequate indication.

This high sensitivity is achieved by the use of an active measuring system based on what is essentially an amplifier-detector type voltmeter calibrated in terms of power.