

Marconi TF2300



Modulation Meter

Specifications

FM Measurement

- Carrier Frequency Range: 4 to 1000 MHz
- Deviation Range: Five ranges with full-scale indications of 5, 15, 50, 150 and 500 kHz. Positive or negative deviation indication selected by a switch

AM Measurement

- Carrier Frequency Range: 4 to 350 MHz
- Mod. Depth Range: Two ranges with full-scale indications of 30% and 100% (maximum usable reading: 95%). Peak and trough indications selected by a switch

RF Input

- Sensitivity:
 - Less than 20mV between 4 and 250 MHz
 - Less than 50mV between 250 and 500 MHz
 - Less than 100mV between 500 and 1000 MHz
- Maximum Input: 3V RMS (200mW)
- Input Impedance: Nominally 50 ohm

Local Oscillator

- Variable Frequency Operation: The internal oscillator covers two ranges: 5.5 to 11 MHz and 22 to 44 Mc/s, harmonics being used for other local oscillator frequencies. Provision is made for connecting an external oscillator with an output of approximately 20mV.

IF Output

- Frequency: 1.5 MHz
- Amplitude: Between approximately 250 and 750mV e.m.f.

LF Output

- Frequency Range: 30 Hz to 150 kHz with switchable 15 kHz low-pass filter on f.m. 30 Hz to 50 kHz on a.m.
- De-emphasis: Switchable to 0, 50 or 75µsec
- Level: Nominally 0 dBm into 600 ohm when meter reads full-scale