

Racal - Dana 9008



Automatic Modulation Meter

- Automatic tuning and amplitude leveling
- IF and demodulated AF output are both available on the rear panel

Specifications

Input Characteristics

Carrier Frequency	
Automatic Operation	1.5 MHz to 2 GHz
Manual Tuning	1.5 MHz to 2 GHz
Input Level	
Low Input	5 to 100 mV rms up to 500 MHz 10 to 150 mV rms from 500 MHz to 1 GHz
High Input	20 to 150 mV rms from 1 GHz to 2 GHz
	50 mV to 1V rms up to 500 MHz 150 mV to 1V rms from 500 MHz to 2 GHz
Level Setting	Fully Automatic
Input Impedance	50 Ohms Nominal

FM Measurement

- Deviation Ranges: 1.5, 3, 5, 10, 15, 30, 50 and 100 kHz deviation full scale. Measurements of positive and negative deviations can be made. (Also mean deviations on Model 9008)
- Modulation Frequency Range: 50 Hz to 30 kHz

AM Measurement

- Modulation Depth Ranges: 5, 10, 15, 30, 50 and 100% full scale modulation depth. Measurements of peak, trough, (or mean on 9008) AM may be measured
- Modulation Frequency Range: 50 Hz to 30 kHz

IF Output

- Frequency: 430 kHz nominal
- Level: 100 mV rms nominal

AF Output

- Response
Normal: ± 0.5 dB over the frequency range 50 Hz to 30 kHz
Filter In: 300 Hz to 3 kHz at 3 dB points

DC Output

- Level: 1 Volt ± 0.5 dB at meter full scale