

MICROWAVE SOURCE (S band)



operation as noted below.

Specifications

1. Frequency

Range	: 2.1GHz to 3GHz (minimum)
Accuracy	: +/- 50MHz (at standard room temp)

2. Power output

RF power output	: 10mW (min) over 2.1 to 3.0GHz
RF level control	: 15 dB min. adjustable

3. Operating modes

Sweep mode	: Internal sweep, rate adjustable from 10Hz to 500Hz, : sweeps 2.1GHz to 3.0GHz in one sweep : Sweep output available on the front panel.
CW mode	: Power output level controllable.
Internal AM	: Square wave modulation (near 100% modulation index), : modulation frequency controllable from 100Hz to 5 KHz. : 1 KHz modulation frequency preset available for measurements : using VSWR meter.
Internal FM	: Triangular wave FM modulation, modulation frequency 100Hz to 5KHz : adjustable, (preset 1 KHz is also available) with a frequency deviation : of approximately 1MHz (factory setting).
External AM/FM	: Inputs available for external modulation signals ($\pm 5V$ max. input).

4. General

Operating temperature	: 0° to 45°C
Humidity	: 0 to 90% (no condensation)
Weight	: 2.0kg
Dimensions (W x H x D)	: 23.7 x 8.8 x 24.5 cm
Power requirements	: AC input 230 V AC $\pm 10V$ max, 20 watts (max)
Signal connectors	: RF output – N (F) : AM/FM – BNC : Sweep out – BNC : Power – 3 pin socket