



### Technical Specifications

<b>Audio Oscillator</b>	: With adjustable Amplitude & Frequency (300 Hz - 3.4 KHz)
<b>Audio Output</b>	: Amplifier with speaker
<b>Modulators</b>	: Balanced Modulator with Band pass Filter (1 MHz) - 2 Nos. Balanced Modulator (455 KHz) - 1 No. Ceramic Bandpass Filter - 1 No.
<b>Carrier Frequency</b>	: 1 MHz (Crystal controlled)
<b>Transmitter Amplifier Output</b>	: (Gain adjustable) DSB (1 MHz), SSB (1.445 MHz) connected to Antenna/cable
<b>Switched Faults</b>	: 8 Nos.
<b>Interconnections</b>	: 4mm Banana Socket
<b>Test Points</b>	: 27
<b>Power Supply</b>	: 220 V $\pm$ 10 %, 50 Hz / 60 Hz on request
<b>Power Consumption</b>	: 4 VA (approx.)
<b>Dimension (mm.)</b>	: W 340 $\times$ D 241 $\times$ H 105
<b>Weight</b>	: 2.8 Kg (approx.)
<b>Accessories</b>	: Line cord, Manual, Set of patch cords

- ◆ Crystal controlled carrier frequency
- ◆ On-board Audio Oscillator, Modulators,
- ◆ BP Filters, 455 KHz Generator, Transmitting Antenna and Speaker

### Experiments that can be performed

- ◆ Study of carrier frequency generation
- ◆ Study of DSB & SSB AM generation & Transmission
- ◆ Study of Transmitter tuned circuits
- ◆ Study of Modulation index

Note: Specifications are subject to change.

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