



### Technical Specifications

**Audio Oscillator :** With adjustable Amplitude & Frequency (300 Hz - 3.4 KHz)

**Audio Output :** Amplifier with speaker

**Modulators :** Balanced Modulator with Band pass Filter (1 MHz) - 2 Nos.

Balanced Modulator (455 KHz) - 1 No.

Ceramic Bandpass Filter - 1 No.

**Carrier Frequency :** 1 MHz (Crystal controlled)

**Transmitter Amplifier Output :** (Gain adjustable)

DSB (1 MHz), SSB (1.445 MHz) connected to Antenna/cable

**Switched Faults :** 8 Nos.

**Interconnections :** 4mm Banana Socket

**Test Points :** 27

**Power Supply :** 220 V  $\pm$  10 %, 50 Hz / 60 Hz on request

**Power Consumption :** 4 VA (approx.)

**Dimension (mm.) :** W 340  $\times$  D 241  $\times$  H 105

**Weight :** 2.8 Kg (approx.)

**Accessories :** 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

