



ANALOG COMMUNICATION TRAINER

MODEL - ACS100

This trainer has been designed with a view to provide practical and experimental knowledge of Analog Communication technique on a SINGLE P.C.B.



SPECIFICATIONS

AM Communication

1. Power supply requirement : 230V AC, 50 Hz.
2. Built in IC based power supply.
3. On Board AF Modulating signal generator - Sine wave
Frequency Range : 300 Hz to 3.4 KHz
Amplitude : 0 to 5 Vpp.
4. On Board RF carrier signal generator.
Frequency Range : 100 KHz to 1 MHz.
Amplitude : 0 to 10 Vpp.
5. On Board variable DC power supply to see the effect of DC on the output waveform -5 to + 5 VDC
6. On Board Input Audio amplifier with Volume control for modulating external signal from Mike or Tape recorder.
7. On Board Output Audio amplifier with speaker & Volume Control.
8. On Board Band Pass Filter (452-458 KHz).
9. Modulator Type : Balanced modulator.
10. Demodulator Type : Diode detector.
Product detector
Square Law demodulator.

FM Communication

11. FM Modulator : Reactance Modulator (with carrier Freq. adjustment)
Varactor Modulator (With carrier Freq. Adjustment)
12. Transmitter output Frequency : 455 KHz
13. FM Demodulator, : Detuned Resonant Detector
Quadrature Detector
Foster -Seeley Discriminator
Ratio - Detector
Phase Locked Loop Detector
14. Low Pass Filter/Amplifier : 3.4 KHz. Cut off Frequency with adjustable gain
15. Amplitude Limiter : 1 Nos
16. Standard Accessories : 1. A Training Manual.
2. Connecting Patch cords.

Sigma Trainers and Kits
E-113, Jai Ambe Nagar,
Near Udgam School,
Thaltej,
AHMEDABAD - 380054.
INDIA.

Phone(O): +91-79-26852427/ 26850829
Phone(F): +91-79-26767512/ 26767648
Fax : +91-79-26840290/ 26840290
Mobile : +91-9824001168
Email : sales@sigmatrainers.com
: sigmatrainers@sify.com
Web : www.sigmatrainers.com

Dealer:-