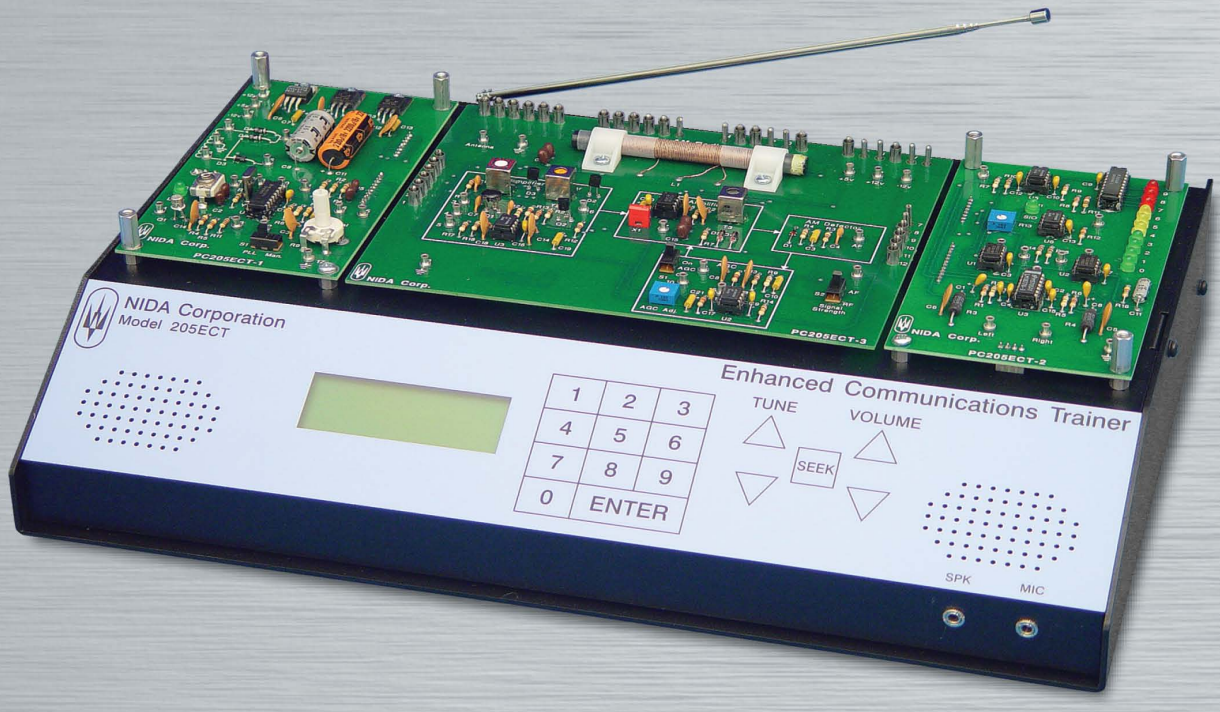
E & L-Nida

Hardware Series

Communications Trainer



Model 205ECT

The E & L-Nida Model 205ECT Communications Trainer provides an updated RF communications platform. To meet the demand of today's technology, the Model 205ECT incorporates phase-locked loop, digital power metering, LCD displays, and microchip technology. Standing alone or coupled with the E & L-Nida CAI, the Model 205ECT is a performance-based training platform that teaches broadcast and communications theoretical principles, operation, alignment, and troubleshooting using automatic fault insertion, trainer monitoring, and power application.

For a more complete RF communications course, optional FM Stereo Receiver, AM Transceiver, Narrow-Band FM Transceiver, and Single Side Band Transceiver circuit cards can be interchanged with the AM Receiver card on the Model 205ECT trainer. Whether you provide a single RF communications course or full telecommunications course, the Model 205ECT provides an excellent platform to teach the skills and knowledge of RF communications. The Model 205ECT Communications Trainer is sure to be the perfect enhancement to your RF Communications curriculum.

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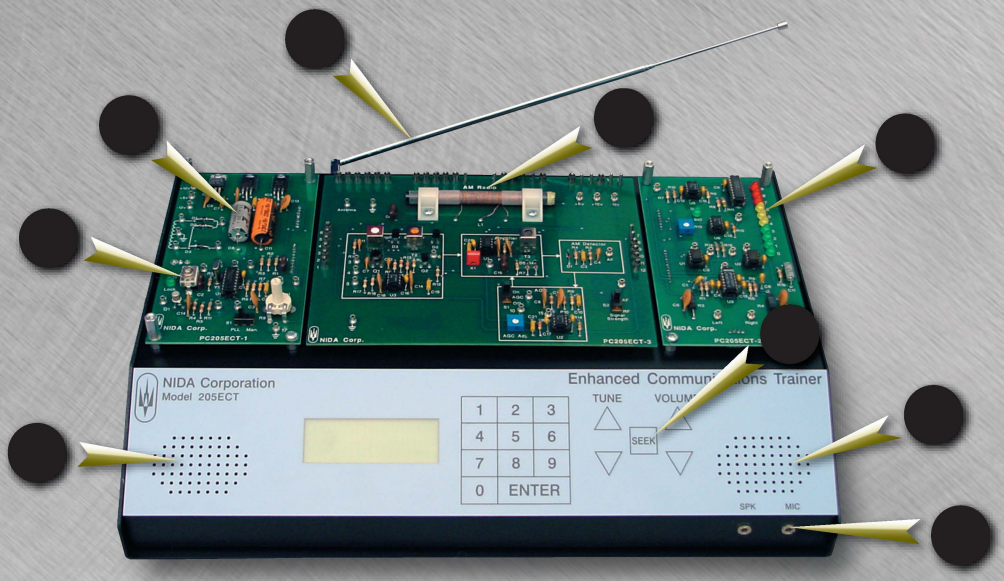

E & L-Nida Hardware Series

Features

1. **Dual Speakers -** provides mono or stereo sound.

2. **Phase Lock Loop -** PLL circuitry exposed for exploration and troubleshooting.

3. **Power Supply -** fault capable power supply.

4. **Antenna Options** - built-in 99cm collapsible antenna and connections for external antennas.

5. **Applications Board** - AM Receiver standard with optional FM, AM Transceiver, SSB, and NBFM interchangeable circuit.

6. **Signal Strengh Indicator** - digital SSI meter for signal strengh or volume level display.

7. **Digital Control** - digital tuning and volume controls with "Seek" function.

8. **Audio Connections -** headset and/or microphone connections to maintain "Quiet Classroom" atmosphere .

Specifications

Primary Power: 220 VAC (0.3A max) or 115 VAC (0.6A max), 50/60 Hz switched controlled & primary fuse protection.

Receiver Tuning Range: AM 520-1600 kHz, FM 88-108 MHz, SSB 10 MHz, AM Transceiver Channel 1-40 26.965-27.405, NBFM Channel 1-10 46.610-49.970 MHz.

Intermediate Freq: AM 455 kHz, FM 10.7 MHz, AM Tansceiver 455 kHz, NBFM 10.7 MHz & 455 kHz.

Sensivity: AM 40 µV, FM 30 µV, AM Tansceiver 30 µV, NBFM 50 µV, SSB 50 µV.

Audio Amplifier: Frequency response 300-25000 Hz, Power Output - Stereo 2W.

Transmitter: RF Power Output - Complies with USA FCC Rules Part 15 Frequency Control - Phase Lock Loop (PLL), Modulator - 40 MHz.

Frequency: AM transceiver - CH. 1-40 26.965-27.405 MHz, NBFM - CH. 1-10 46.610-49.970 MHz, SSB - 10 Mhz.

Operating Temperature: 0 degree to 70 degrees Celsius ambient.

Dimensions: 7.6 cm H x 26.7 cm D x 40.6 cm W.

Weight: 3.3 kg.

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