

• Wireless / Broadcast

AM TRANSCEIVER TRAINER

ED-3400

- HF band(3.5~12MHz)
- Transmitter and Receiver modules for each circuit stage
- Graphical layout of the block diagrams, plus LEDs and test points
- Covers Push-to-Talk and helps understand short wave communications



ACCESSORIES

- Circuit Connection Cord(Rx, Tx) : 1set(for each section)
- AC Power Cord(Rx, Tx) : 2ea
- Microphone(Dynamic) : 1ea
- Experimental Manual : 1ea

> EXPERIMENTAL MODULES (11EA)

	MODULES	FUNCTIONS	EXPERIMENTS
TRANSMITTER MODULES (6ea)	TU-3400A	Carrier Oscillator	LC and Crystal Oscillation
	TU-3400B	Doubler & Buffer Amp	Frequency Multiplier and Buffer Amplifier
	TU-3400C	RF Power Amplifier	Input/Output Coupling of PA
	TU-3400D	π -Network Tuning Circuit	Low Pass Filter and PA Tune
	TU-3400E	Modulation Power Amp.	Audio Circuit and Modulation
	TU-3400P	DC Power Supply(for TX)	Break-In Control
RECEIVER MODULES (5ea)	RU-3400A	RF Amp. & Mixer Circuit	RF Resonance, Selectivity, Frequency Conversion
	RU-3400B	Local Oscillator	Variable and Fixed Oscillator
	RU-3400C	IF Amplifier & Det.	IF Amp. Demodulator, AGC Circuit, CW Reception
	RU-3400D	Audio Amplifier	Audio output with Speaker
	RU-3400P	DC-Power Supply(for RX)	Break-In Control

> SPECIFICATIONS

RECEIVER SECTION

- Sensitivity : About $2\mu\text{V}$
- Intermediate Frequency : 455kHz
- Frequency Control : Variable and X-Tal
- Dimension & Weight : 425(W) x 180(H) x 410(D)mm, 18kg

TRANSMITTER SECTION

- RF Output : 5W Max.
- P.A Tank Circuit : π -Network

- Oscillation Mode : X-Tal and LC Circuit(Variable Control)
- Dimension & Weight : 520(W) x 180(H) x 410(D)mm, 15kg

GENERAL CHARACTERISTICS

- Frequency Range : 3.5MHz~12MHz(2-Band)
- Electro-Wave Mode : AM/CW
- Antenna Impedance : 50/75 Ω
- Operating Temperature : 0~45°C, Below 85% R.H.
- Input Voltage : AC 220V, 50/60Hz
- Module Size : 250(W) x 65(H) x 166(D)mm