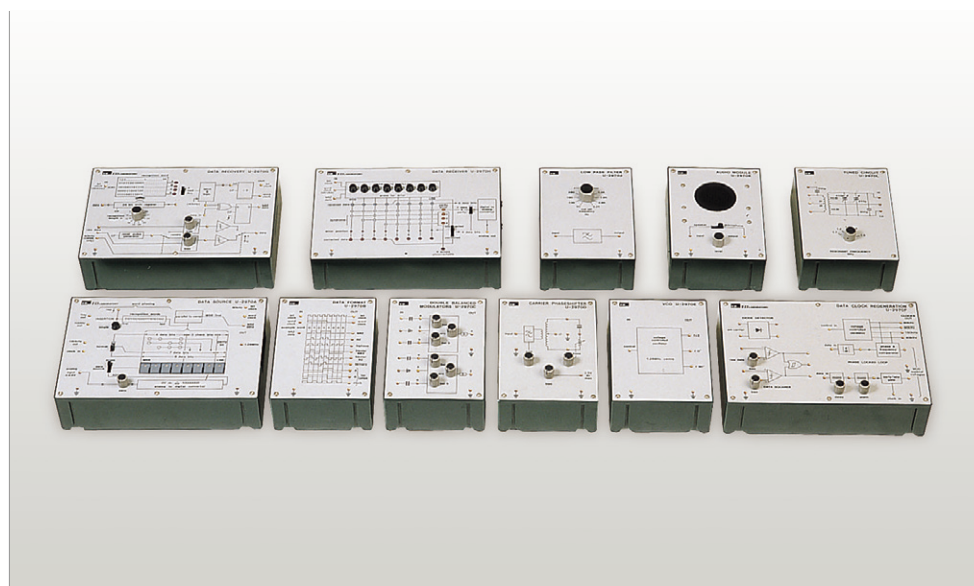


• Communication

DIGITAL COMMUNICATION TRAINER

ED-2970

- Modularized by the function of digital communication circuits
- FSK, ASK, PSK, QPSK and digital communication principles
- 12 types of modules including a power supply unit



> EXPERIMENTS

- Demodulation Method
- Bit Clock Recovery
- Bit Recovery
- Word Clock Recovery
- Serial to Parallel Conversion
- Generation and Detection of Parity
- Hamming Code Generation
- Sampling of Analog Signals
- Analog to Digital Conversion
- Parallel to Serial Conversion
- Carrier Modulation
- FSK, ASK, PSK and QPSK
- Data Formats (Unipolar, NRZ & RZ)
- Manchester, Ternary, 2-Line Bipolar

> EXPERIMENTAL MODULES (15EA)

MODULE	DESCRIPTION	Q'ty
U-2970A	DATA Source	1ea
U-2970B	DATA Format	1ea
U-2970C	Double Balance Modulation	3ea
U-2970D	Carrier Phase Shifter	1ea
U-2970E	Voltage Controlled Oscillator	2ea
U-2970F	DATA Clock Regeneration	1ea
U-2970G	DATA Recovery	1ea
U-2970H	DATA Receiver	1ea
U-2970J	Low Pass Filter	1ea
U-2970K	Audio Module	1ea
U-2970L	Tuned Circuit	1ea
U-2970P	Power Supply	1ea

> SPECIFICATIONS

GENERAL CHARACTERISTICS

- DC Output : +5V, $\pm 15V$ (U-2970P)
- Input Voltage : AC 220V, 50/60Hz
- System Case : 710(W) x 200(H) x 426(D)mm
- System Weight : 19.4Kg
- Modules : 250(W) x 65(H) x 166(D)mm (2970 A, F, G, H modules)
125(W) x 65(H) x 166(D)mm
(2970 B, C, D, E, J, K, L modules)

ACCESSORIES

- Circuit Connection Cord($\phi 2$ Plug) : 1set
- Module Power Cord : 10ea
- Component Plug-in Type : 2k Ω (3ea), 1 μF (3ea), ZD(1ea), Network(4ea)
- AC Power Cord : 1ea
- Experimental Manual : 1ea