

COMMAND ENCODER/EXCITER

DATA SHEET & TECHNICAL SPECIFICATIONS



Features

- ▶ EIA 19" Standard Rackmount/Portable
- ▶ IRIG 313-01 Compliant
- ▶ Variable RF Output Level
- ▶ Variable Carrier Frequency
- ▶ Carrier ON/OFF Switch
- ▶ Local and Remote Control
- ▶ 8 or 20 Tone models available

Applications

- ▶ Range Safety
- ▶ Test

The Model CEE-8-I/CEE-20-R Command Encoder/Exciter (CEE) units are rack mount portable units used for Flight Termination Systems for checkout of flight termination receivers and/or command receiver/decoders.

The CEE accepts AC power and generates a modulated RF output suitable for interrogation of flight termination receivers and/or command receiver/decoders.

The CEE can transmit up to 6 tones simultaneously and the RF output power is adjustable from 0 to -127 dBm. The IRIG tones can be switched ON/OFF independently from the control panel. The CEE can be controlled in Local mode using the front panel switches or in Remote mode using an RS-232 or GPIB interface.

This CEE is available in both 8 tone and 20 tone models.

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Specifications

- ▶ Size: 3.50" H x 18.75" D (Standard EIA 19" Rack Mount)
- ▶ Power Input: Universal Input: 115 VAC to 230 VAC, 50 to 60 Hz
- ▶ Carrier Frequency: 406 to 450 MHz in 100 kHz steps
- ▶ Carrier Frequency Stability: $\pm 0.0005\%$
- ▶ RF Power Output: 0 to -127 dBm
- ▶ Output Impedance: 50 ohms
- ▶ Output Connection: Type N Female
- ▶ Modulation: Wideband FM, ± 30 kHz per tone
- ▶ Tone Frequencies: Any combination of up to 8 tones per IRIG 313-01
Or 20 tones per IRIG 313-01
(maximum of 6 tones ON simultaneously)
- ▶ Remote Control: RS-232 (Options: RS-232, GPIB, or 10Base100 Ethernet)
- ▶ Spurious Outputs: -50 dBc
- ▶ Harmonic Distortion: < 2%

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