

# 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.

# COMMAND ENCODER/EXCITER

## DATA SHEET & TECHNICAL SPECIFICATIONS

### 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:	±.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%

 35 Hill Ave.  
Fort Walton Beach, FL 32548  
 [ContactMSI@kratosdefense.com](mailto:ContactMSI@kratosdefense.com)  
 [www.kratosdefense.com](http://www.kratosdefense.com)  
 (850) 244-2332