



Model CEC-10A Code Synthesizer II Features

- Digital Paging Encode Formats (Tone Only, Numeric and Alpha-Numeric Display) including: Motorola Golay Sequential Code (GSC), and Pocsag 512, 1200 & 2400 baud.
- Motorola FLEX® (2 & 4 level FSK) 1600, 3200 & 6400 bps encode.
- Other Encode Formats: (Analog) 2-Tone, 5/6 Tone, CTCSS (continuous or burst mode, DTMF, IMTS, MTS, Single Tone (continuous or Dial-Pulsed), and base station Tone Remote Control. European Select-5 encode group which includes: CCIR, CCIT, EEA, EURO and ZVEI-1 to ZVEI-3; (Digital) Digital Coded Squelch (DCS)
- RS-232 port for remote operation and/or software updates from a PC.
- Includes Pagershop® software for extended operation from a Personal Computer (PC) running the Windows 95/98/NT4/2000/Me or XP operating system.
- Windows 95/98/2000/Me/XP Plug and Play compatible.
- 110 VAC (50-60 Hz) standard, Jumper selectable 220 VAC operation. Modular power cord for international power standards.
- Two year limited warranty.

Product Description

The Model CEC-10A is a second generation microprocessor controlled universal code synthesizer capable of generating the analog and digital selective signaling protocols used over many narrow band radio channels by mobile radio and paging systems. Additionally, the CEC-10A has an input jack for optional tone & data decode functions.

The CEC-10A has been designed for easy operation. For most signaling formats simply enter the selective call address and press the Send button. For special purpose applications the register Store and Recall feature allows general purpose setup parameters to be changed from the front panel.

The CEC-10A also utilizes Digital Signal Processor (DSP) technology to precisely generate advanced digital paging formats, using a variety of modulation methods, including Motorola FLEX up to 6400 bits per second (bps).

A serial computer port and Flash memory are standard on the CEC-10A and together with a user's Personal Computer allow software updates to be done without removing the units cover. The CEC-10A serial port is Windows 95/98/2000/Me/XP Plug and Play compliant.

Pagershop® is an Windows program (Windows 95/98/NT4/2000/Me/XP) that comes with the CEC-10A and allows expanded operation of the encoder by connecting the serial port to that of a user's PC. The PC then has control over many setup and operational parameters not available from the front panel.

The serial communications protocol used by the CEC-10A is available for license to system integrators, at no charge, who wish to build automated test systems.

Cromack Industries and Cromco are trademarks and Pagershop is a registered trademark of Cromack Industries, Inc. FLEX, and Motorola are registered trademarks of Motorola, Inc. Windows and Windows NT are registered trademarks of Microsoft Corporation. All other marks are the property of their respective owners.

Specifications

ELECTRICAL

Analog/Digital Output (Bipolar)

Connector	Female BNC
Analog Synthesizer	0.1 - 6500.0 Hz
Analog Distortion	≤ 1.0% (at 1 KHz)
Tone Resolution	0.1 Hz
Tone & Data Accuracy	± 0.0025% (25 ppm)
Max. Level (terminated)	+12 dBm (2.5 Vpp)
Output Impedance	50Ω
Output Type	Unbalanced
Bipolar DC Offset	0.0 Volts

Analog/Digital Input

Connector	Female BNC
Input Type	Unbalanced
Input Impedance	100 K ohms
Maximum Level	4.0 Vpp

Power Requirements

Voltage	110/220 VAC ± 10%
Power	25 VA
Frequency	48 - 66 Hz

MECHANICAL

Dimensions: inches (cm)

Height	4 (10.2)
Width	8.5 (21.6)
Depth	10 (25.4)

Weight

Pounds (kg)	5 (2.27)
-------------	----------

ENVIRONMENTAL

Temperature

Operating	0° to +55°C
Storage	-40° to +75°C

For further information, e-mail, call or write:

Cromack Industries, Inc.

Cromco Electronics Division

22 Rockland Road

Greenfield, MA 01301-1130 USA

Phone: (413) 774-6500

(800) 603-5140 (USA & Canada)

FAX: (413) 774-6291

Web: <http://www.cromack.com>

See price list for specific option pricing ♦ Specifications subject to change without notice.

© 1996-2002 Cromack Industries, Inc.

Release 3.2.1 October 15, 2002