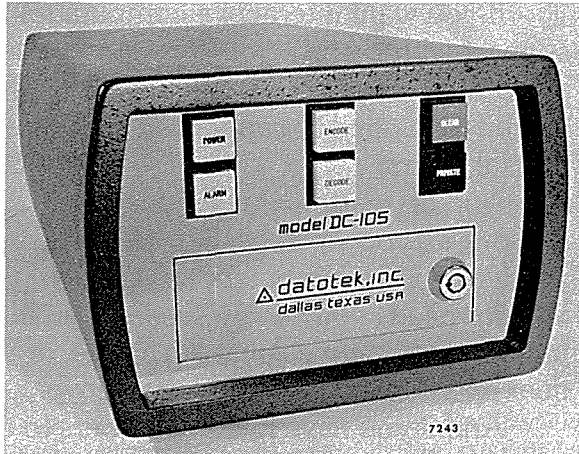


# Datotek Data and Voice Security Systems



**DATOCODER** off-line enciphering and deciphering system for 5 level Baudot format tape.

A range of compact systems for ensuring security of data and voice communications, manufactured by DATOTEK, INC., of Dallas, Texas, is obtainable through Hawker Siddeley Electronics Limited. Brief details of four models are given below.

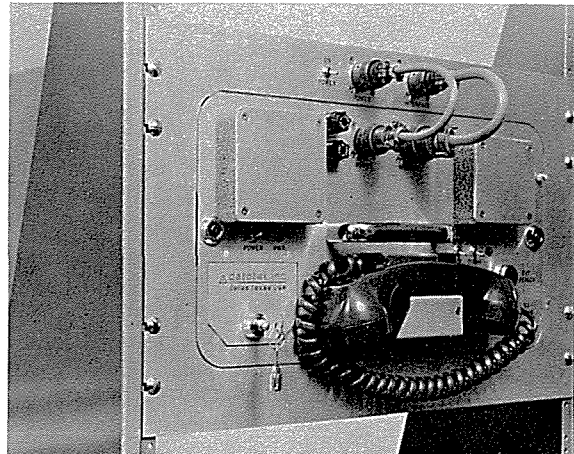
The Datocoder Model DC-105 is used for enciphering messages to be sent over existing 5-level teleprinter circuits such as Telex and international message circuits.

The DC-105 (illustrated above) operates in conjunction with an auxiliary off-line teleprinter to read clear text from punched tape and produces enciphered text on punched tape. The enciphered tape is then transmitted as any normal tape, and decoded at the receiving end. The encoding scheme is extremely secure, offering over 32 000 000 000 user codes, easily changed by rotary switches. The encoded output is fully compatible with existing message circuits.

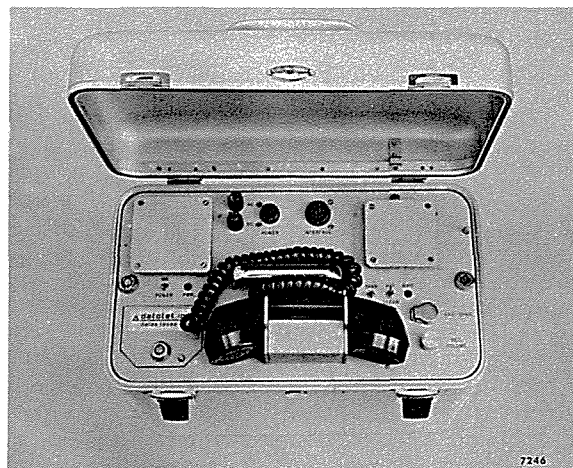
The Datocoder Model DC-108 is similar to the DC-105 but is designed for use on 8-level ASCII circuits, such as TWX. The DC-108 operates in the off-line mode, at rates from 110 to 9600 baud.

The Datocoder Model DC-118 is an on-line (in-circuit) encryption device which provides the user with a high degree of transmission security on 8-level ASCII circuits. It allows secure communication in the conversational, interactive mode between two terminals, or can be used for point-to-point encryption of computer data.

The Model DV-505 Voice Security System is a dynamically-changing 5-band voice scrambler which provides a high level of voice privacy over telephone, single sideband, or VHF/UHF radio circuits. The DV-505 includes accurate digital timing circuitry to



**Voice Security System** (static version) for remote control use.



**Voice Security System** (portable) for radio or telephone line use. Can be used with any type of radio transmitter.

maintain synchronization over long-distance worldwide circuits, where transmission times as well as signal variations may be significant.

For minimum size and maximum reliability, both digital and analog ICs are used extensively. The DV-505, which employs the same key generator as used in the DC-105, is housed in a portable metal carrying case, and may be connected either directly to the telephone and radio circuits, or through an acoustic coupler.

Further information obtainable from:

## Hawker Siddeley Electronics Limited

Systems Division,

752 Pittwater Road, Brookvale, NSW 2100 — Telephone 93 0221