

PROVEN

Quality, Dependability and Reliability

Tone generation and code selecting elements are combined in an attractive console that is designed for mounting in a 19" rack or on a desktop.

The N1304B-1 SELCAL encoder console includes the latest state-of-the-art tone sourcing that generates all 16 SELCAL frequencies.



N1304B-1 SELCAL ENCODER

In operation, the console operator simply selects the four-digit code assigned to the aircraft, confirms correct selection on the large alpha display, and momentarily presses the "SEND" button. Relay contacts within the unit can be wired to automatically key the base station, causing the selective signaling to be automatically transmitted.

The small size and weight of the unit makes it perfect for direct replacement of older 12 code units or installation in new facilities. Simply adding the rack mount adapters to the desktop housing allows the unit to be mounted in a 19" rack, only requiring 3.5 inches of panel space. Rack adapters are supplied with every unit.

The SELCAL encoder can be operated on 115/230 VAC 50/60 Hz and may be used worldwide without adapters or modifications. A terminal strip connection is provided within the unit for power connection.

- Highly visible LCD display
- 16 push-button front panel code entry with key click feedback
- Convenient front panel access to code SEND and code CANCEL push-buttons
- Code send indicator
- Self test capability
- 120V/240V 50-60Hz internal power supply
- Computer interface via an RS-232 connection
- Software module which can externally generate codes and transfer them to the Encoder
- Auxiliary relay for keying or audio switching

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SPECIFICATIONS

N1304B-1 Specifications

Tone Capacity	16
Tone Accuracy/Stability	±0.15% of nominal tone frequency from 0 to +50°C
Tone Balance	±0.5dB over entire frequency range
Code Readout (Display)	Four characters, each approx. 0.5" high
Maximum Audio Output	+10dBm into 600Ω load (~7vp-p)
Hum and Noise Level	Less than -38 dBm at output
Power Input	Nominal: 120 VAC or 240 VAC 50-60 Hz Range: 100-120 VAC or 200-240 VAC, 47-63 Hz
Power Drain	20 W maximum
Code Entry	16 button keypad or software control via RS-232 connection
Mounting	Desk top with tilt stand or 19" equipment rack
Dimensions	1U, 19" rack mount chassis, 10.25" deep maximum



The N1304B-1 universal power supply makes connecting power to the unit easy worldwide.



An RS-232 interface is provided to control all aspects of the Encoder using an external PC. Users can create their own programs to interface with the Encoder.



An easy to read backlit display with convenient user prompts and status input is included



AvtechTye's battery powered CTS-700 Ramp Tester contains a built in transmitter and uses VHF or HF signals, transmitted directly to the aircraft, to conveniently test the SELCAL system at the aircraft without any intervention from the tower or ARINC