

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

Since 1969 AvtechTye has been a leader in the design, development, and manufacture of electronic systems for the aerospace industry, with a focus in three product groups: Audio, Avionics and Structures.

AvtechTye products are flying onboard 42 aircraft types within the air transport, regional commuter, and business jet sectors, serving 450 customers in 49 countries of the world.

Our versatility in supporting aerospace electronics requirements ranges from the custom design and manufacturing of complex power supplies to complete Digital Audio Systems.

AvtechTye is certified to ISO9001, AS9100 and the FAA's ACSEP. Product Support includes in-house repair services (FAA approved Repair Station #IG6R621N), loaner/exchange programs, and both in-house and off-site airline training.

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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



AvtechTyee'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