

SELCAL CODER BE 701-250/DT

- Microcomputer controlled, fully programmable version with illuminated Display
- Latest up to date technology, LSI and μ C semiconductors
- Reliability using highly integrated elements and components and by burn-in of the equipment at the factory
- 3 different modes of operation are possible:
 - a) normal operation: codes are inserted by depressing the respective keys
 - b) memory operation: 36 codes (tones A to S) are programmable by the customer. The codes can be assigned either to a letter or a number on the keyboard (a safety lock has to be released first)
 - c) call sign operation: selcal codes for 150 immatriculations - letters or figures - or flight numbers (max. 6 digits) can be programmed in addition to b) above
- Repeat function of the select code "
- Automatic self testing when switched on and also depressing a special key
- 32-digit lighted Display showing the actual mode of operation, selected code and in call sign operation, the immatriculation or flight number and code
- Quartz stabilized frequencies stored in PROM's
- The inserted data, b) and c) above, remain stored 6 to 8 weeks with switched-off equipment
- All functions are controlled and monitored digitally by microprocessors
- Link time programmable at the factory only (normally set at 2 sec)
- No adjustments necessary
- Modern design and appearance



TECHNICAL DATA of the SELCAL CODER BE 701-250/DT

(meeting at least standards of ICAO Annex 10, Selcal System)

- Dimensions:** width 299 mm, height 83 mm, depth 276 mm, weight app. 2.3 kg
- Power Supply:** 110 to 230 VAC, 50/60 Hz, tolerance -10 to +20% (No voltage selector required)
- Options:** 18 to 34 VDC or selective operation 110 to 230 VAC or 18 to 34 VDC
- Frequency range:** «RED» Block including tones P, Q, R, S
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|---|----------|---|----------|---|----------|---|-----------|
| A | 312.6 Hz | E | 473.2 Hz | J | 716.1 Hz | P | 1083.9 Hz |
| B | 346.7 Hz | F | 524.8 Hz | K | 794.3 Hz | Q | 1202.3 Hz |
| C | 384.6 Hz | G | 582.1 Hz | L | 881.0 Hz | R | 1333.5 Hz |
| D | 426.6 Hz | H | 645.7 Hz | M | 977.2 Hz | S | 1479.1 Hz |
- Other allotted frequencies are programmable at the factory
- Frequency stability:** less than 0.02%
- Frequency accuracy:** less than $\pm 0.15\%$. Both values from 0°C to +50°C
- Audio Output:** Normally adjusted to 0.775 V at 2 x 300 Ohm (600 Ohm), adjustable from -40 to +6 db
Distortion less than 15%
- CALL times:** Link time programmable from 0 to 5 sec (normally set at 2 sec)
(tone pulses) T 1 = 1.0 sec followed by 0.2 sec interval, T 2 = 1.0 sec, Tolerance less than ± 0.05 sec
- Delivery:** 5 to 10 weeks after firm order
- Prices:** see Price-list
- further version:** 19" Rack mounted

Alterations reserved

A considerable advantage of SELCAL CODER BEW 701-250 is that the channels do not have to be constantly active. This prevents having to listen to irrelevant conversations.

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