

Key Tape Perforator A 6723

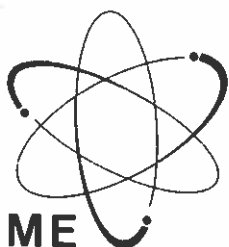
is capable of producing two identical five-channel random key tapes, for use in transmitting secret communications over the telegraph network. Random data is delivered by five random generators (one generator per channel). One random key tape is used for ciphering communications at the transmitting station, its twin being used to decipher the communications at the receiving station. This system offers complete security from unofficial interception of the clear text. This security cannot be deminished either now or in the future even by the most highly developed deciphering system of any computer generation.



Simultaneous insertion for perforation and numbering in a single process ensures the absolute identity of the two key tapes. The tapes are printed with a progressive four-digit number and insertion marker every 50, 100 or 200 characters, according to choice. Two groups of counters are provided for the evaluation of random data before and after perforation. These count the perforation instructions and the perforations in each channel. One preset step summation counter allows for the production of key tapes of pre-determined length.

Perforation speed is 20 characters per second.

The perforated tapes are wound separately onto two spools.



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Three basic methods of operation are possible:

" 32 "

Production of a tape-pair containing all 32 characters of the 5-channel code randomly distributed.

" 26 "

Production of a tape-pair containing only the 26 letters of the alphabet randomly distributed. The remaining six instruction characters being suppressed.

" 0...9 "

Production of a tape-pair containing only the figures 0-9 randomly distributed. Two of the 32 possible characters are suppressed and the remaining 30 are equally distributed to the numbers 0-9.

Programme Tape Transmitter LSS A 6706 can be connected to the A 6723 to tabulate random characters for manual ciphering. A programme tape controls the distribution of random letters or numbers into groups and lines. A key tape programmed in this way can be read by a teleprinter and will be reproduced in tabulator form (see separate leaflet for Programme Tape Transmitter LSS A 6706).

The Character Counting Device ZZG 6726 can be connected to the A 6723 in order to count the frequency of each of the 32 possible characters during tape production and thereby to evaluate the random quality (see separate leaflet for Character Counting Device ZZG 6726).

Upto a maximum of five Key Tape Perforators can be connected to Control Unit A 6700 for multiple production of identical key tapes (see separate leaflet for Control Unit A 6700).

The SSL A 6723 is a table model and features:

- . Electronic unit containing five random generators; letter and figure filter
- . Five-channel tape perforator - 20 characters per second
- . Tape Reader 2123
- . Control Panel with Counters
- . Power Pack
- . Wind-off mechanism for 2 tapes
- . Wind-on mechanism for 2 tapes
- . Printing Counter

Component assemblies are arranged on plug-in panels and on plug-in prints using the semiconductor technique.

Technical Data:

Power Supply:	220 V AC, 50 - 60 Hz.
Power Consumption:	Approx. 160 VA
Dimensions: Height:	550 mm
Width:	1000 mm
Depth:	460 mm
Weight:	Approx. 70 kg