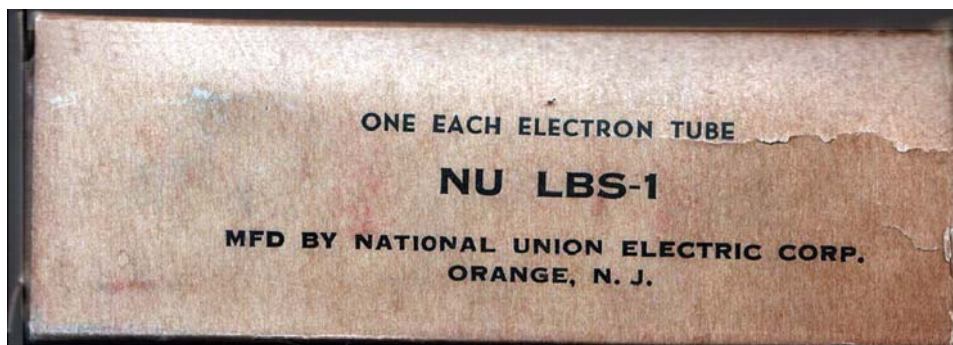


LBS-1 NU - Deflection Beam Switch Tube

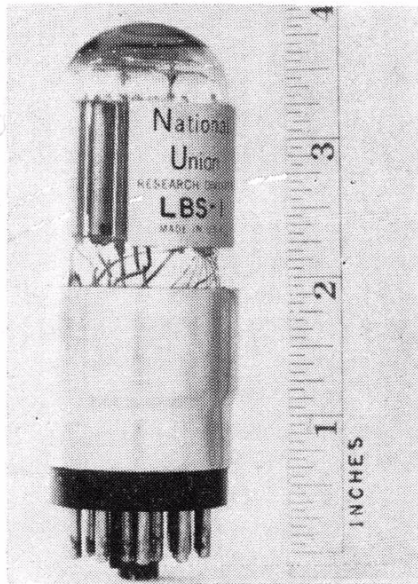


Electrostatic 10-position deflection beam switch. This tube was announced by National Union in 1955 to operate as fast analog to digital converter or translator. Probably it was intended to complement the Inditron™ [GI-21](#) numeric indicator.

- 10 anodes
- 35V signal output at 100 kohms load resistance.
- 6mA cathode current typical at 300V supply
- 0 to 60V input voltage for the deflection through the 10 anodes
- T-11 bulb, 20-pin octal-like base, pins being arranged on two concentric circles



In the next page the early announcement, from Electronics, August 1955.



BEAM SWITCH TUBE with 10 output anodes

NATIONAL UNION ELECTRIC CORP.,
405 Lexington Ave., New York,
N. Y. The new line beam switch
tube is intended for high-speed
commutation of a single electron
beam source to a multianode
target. The beam switching is
proportional to the electrostatic de-
flection and thus permits analog to

NEW PRODUCTS

(continued)

digital translation. The output se-
cured from each target anode is of
positive polarity and in many ap-
plications is of sufficient amplitude
to permit gating without preampli-
fication and phase inversion. Ten
separate output anodes are provided
and outputs of 35 v peak from each
anode are obtainable across 100,000-
ohm load resistors. Less than 10
anodes may be employed in the
operation of the tube by placing the
unused anodes at B plus. The
LBS-1 tube is in a T-11 bulb and
has a maximum overall length of
only 4.25 in. Under normal 300-v
operation with 6 ma of cathode
current the 10 output anodes can be
swept with a deflection voltage of
60 v.

in last page.

August, 1955 — ELECTRONICS