

DEVICE LN8

Storage cathode ray tube with electrostatic focus and bending of the electron beam

Technical requirements (TR) 3.555.012TU

<b>1. Basic technical data</b>	Meas. unit	According to the requirements	As actually tested
Working first anode voltage	V	70+250	140
Cutoff voltage (negative) on the modulator	V	40+100	81
Working bias voltage on the modulator (negative), minimum	V	15	57
Filament current	A	0.47+0.66	Not available
Signal "0" current, maximum	uA	+0.33	0
Signal "1" current, minimum	uA	1	>1
Grid-signal plate capacity, maximum	pF	1000	863
Amplitude of the writing "0" pulse	V	-35	Not available
Amplitude of the writing "1" pulse	V	+35	Not available
Lifetime, minimum Lifetime assumptions: a) Negative modulator bias minimum 10V b) "0" signal current not exceeding 0.4 uA	h	500	Not available
<b>2. Limiting values of the parameters, which define working mode</b>			
Filament voltage	V	5.7+6.9	
Second anode voltage	V	100+300	
Amplitude of the "1" writing pulse	V	+40	

Voltage between filament and cathode when filament is negative	V	100	
Voltage between filament and cathode when filament is negative	V	10	
Amplitude of the "1" writing pulse	V	-40	

NOTES:

1. While using the device, do not allow any parameters exceed the limiting values.
2. It is not allowed to use the device when two or more parameters are at limiting values at the same time.

QA stamp  
18 August 1975

Customer stamp  
19 August 1975

corrected 17 November 1975  
QA unit 254

**3. Pinout**

Pin numbers	Name
1 and 14	Filament
2	Cathode
3	Modulator
4, 6, 13, 12	not connected
5	First anode
7 and 8	Lower bending plated
9	Second anode
10 and 11	Upper bending plates
I	Collector
II	Signal plate
III	Barrier grid

**4. Storage guidelines**

The devices must be stored in warehouses packaged in manufacturer's packaging, inside the set of spare parts, or mounted into the equipment at the ambient temperature within the range of +5 until +35 degrees Celsius, humidity not exceeding 80% and without any aggressive vapors such as acid.

In the field conditions the ambient temperature can change between -50C and +50C, humidity may exceed 98% at the temperature +30C.

## 5. Warranty liabilities

[There is nothing interesting here, just some text in heavy Soviet bureaucratic legalese]

### ATTENTION!

The QA unit of the manufacturer requests returning of the device and this datasheet once it is withdrawn from the service or went broken before 500 hours of usage, along with the following information:

Date of taking into service: \_\_\_\_\_ date of shutdown \_\_\_\_\_ amount of working hours \_\_\_\_\_ parameters while in service \_\_\_\_\_  
the reason of breakage \_\_\_\_\_

Information provided by: \_\_\_\_\_

Address: \_\_\_\_\_

Written by handwriting in one copy only sent to the address: \_\_\_\_\_  
technician \_\_\_\_\_ year 197\_