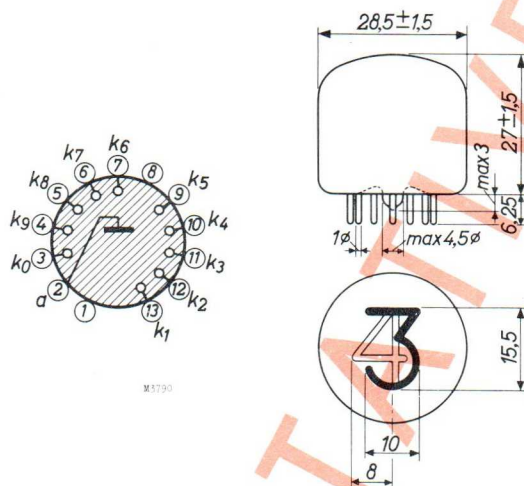


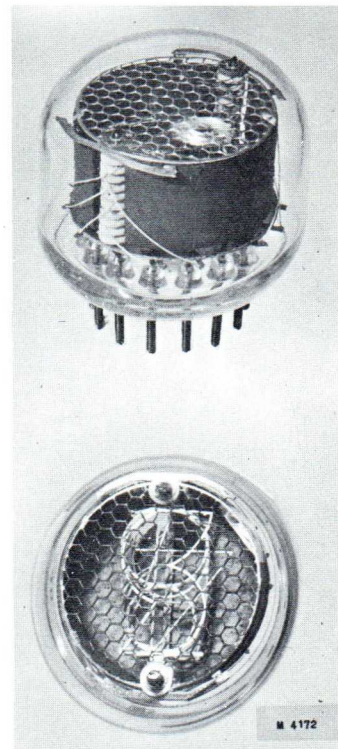
DECADE NUMERICAL INDICATOR TUBE

The Z510M is a cold-cathode gas-filled decade numerical indicator tube with the figures 0 to 9 in red neon colour. The ten figure shaped cathodes are all brought out separately and must be connected to the negative side of the power supply. The anode must be connected to the positive side via the series resistor. The switching of the cathode can be performed mechanically or electrically. In the latter case the cathodes of the Z510M must be connected to the anodes of the counting tubes (e.g. Z70U).



Electrode connections
and dimensions (in mm)

Socket: B8.700.67



Mounting position

any

For visual indication the tube is viewed through the dome of the envelope.

Typical operating characteristics

Anode supply voltage	V_{ba}	=	170 V
Burning voltage	V_{arc}	=	130 V
Cathode current (each digit)	I_k	=	2 mA
Anode series resistor	R_a	=	20 k Ω

Limiting values (absolute maximum)

Anode supply voltage	V_{ba}	= max.	400 V
Anode to cathode voltage necessary for ignition	V_a	= min.	160 V
Cathode current (each digit)	I_k	= max.	2.5 mA
Cathode peak current (each digit)	I_{kp}	= max.	15 mA
Anode to cathode voltage to extinguish the tube	V_a	= max.	100 V