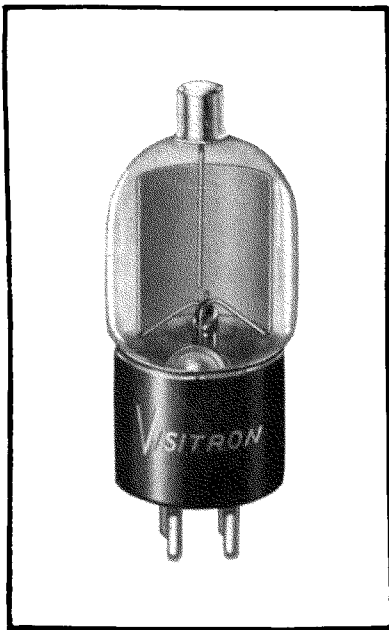


VISITRON



TYPE R71T

R71 SERIES

One of the most commonly used Visitron phototubes of today, the R71 series is universally accepted as THE phototube to use where dependability and long trouble-free operation is desired. Recommended as ideal for sound-on-film applications. When used for this purpose this tube is exceptionally free from tube noises and microphonics.

The R71 tube is also used extensively in electronic control equipment for weighing, conveyor, illumination controls, smoke and turbidity measurement controls, safety devices, etc.

The R71 series is supplied with two types of cathode surfaces, "A" type sensitive to infra-red and "B" type sensitive to blue.

The exceptional high response to blue radiation and insignificant response to red radiation of the R71 blue sensitive tube makes it valuable in flame control work where it is desired that the tube respond to the flame and not to heated objects in it.

The R71 series is also available on special order with Corex D bulb for use in the ultra-violet region of the spectrum. These ultra-violet tubes are identified by the letter "C" (example R71CV-2). Prices will be submitted upon application.

Series R71T tubes with anode cap are supplied with non-hygroscopic ceramic bases. The R71B series can also be supplied on special order with non-hygroscopic ceramic bases.

GENERAL CHARACTERISTICS

	R71A	R71AV	R71TA	R71TAV
Cathode Size.....	S1	S1	S1	S1
Cathode Surface.....	1.25" x 1.0"	1.25" x 1.0"	1.25" x 1.0"	1.25" x 1.0"
Capacitance (Anode-Cathode).....	2.5 MMF.	2.0 MMF.	< .8 MMF.	< .7 MMF.
Leakage Resistance (Min).....	1000 Meg.	1000 Meg.	1000 Meg.	1000 Meg.
	R71B	R71BV	R71TB	R71TBV
Cathode Size.....	S4	S4	S4	S4
Cathode Surface.....	1.25" x 1.0"	1.25" x 1.0"	1.25" x 1.0"	1.25" x 1.0"
Capacitance (Anode-Cathode).....	2.5 MMF.	2.0 MMF.	< .8 MMF.	< .7 MMF.
Leakage Resistance (Min).....	1000 Meg.	1000 Meg.	1000 Meg.	1000 Meg.

MAXIMUM RATINGS

	R71A	R71TAV	R71TA	R71TAV
Anode Voltage, Peak.....	90V	500V	90V	500V
Luminous Sensitivity.....	250 uA/L DC	40 uA/L DC	250 uA/L DC	40 uA/L DC
Luminous Sensitivity (25v).....	45 uA/L DC	37 uA/L DC	45 uA/L DC	37 uA/L DC
Gas Amplification.....	8	- - -	8	- - -
Temperature, ambient.....	100°C	100°C	100°C	100°C
	R71B	R71BV	R71TB	R71TBV
Anode Voltage, Peak.....	90V	500V	90V	500V
Luminous Sensitivity.....	300 uA/L DC	55 uA/L DC	300 uA/L DC	55 uA/L DC
Luminous Sensitivity (25v).....	50 uA/L DC	50 uA/L DC	50 uA/L DC	50 uA/L DC
Gas Amplification.....	8	- - -	8	- - -
Temperature, ambient.....	100°C	100°C	100°C	100°C

