

D67

29.3.1971.

Screen Blemish Specification for 14 cm Oscilloscope Tubes
(D14-120 series, D14-160 series etc.)

Requirement for area of min. useful scan (internal graticule if applicable):

size	air bubbles			black specks		
	< 0.2	0.2-0.35	0.35-0.6	< 0.2	0.2-0.35	0.35-0.5
min. distance		10	10		14	30
quantity	no cloud	3	0 ¹⁾ 1 ²⁾	no cloud	3	1
total quantity	(> 0.2)			5		

Requirement for area outside useful scan (internal graticule) in so far this surface is covered with fluorescent powder, and can be observed if looking at right angle at tube face:

size	air bubbles			black specks		
	< 0.2	0.2-0.4	0.4-0.6	< 0.3	0.3-0.4	0.4-0.6
min. distance		10	10		14	30
quantity	no limit	5	3	no limit	5	2
total quantity	(> 0.2)			7		

Note: Minimum distance is distance from point to be measured to any other spot or bubble, provided it is bigger than 0.2 mm.

- 1) Types with illumination by means of light guide.
- 2) Types without " " " " " "

Mesh Defect Specification for Mesh P.D.A. Tubes

The tubes are tested by means of a raster which is focused on the screen, with optimum correction potentials applied.

Local defocusing (line width variation between adjacent lines), caused by particles on the mesh and/or irregularities of the mesh, may not be more than a factor 1.5.

Local distortion of a line, caused by the mesh, must be within one line width on either side of that line.

Mesh defects which are only perceptible on a defocused raster, are permissible.