

Test Patterns

Models 07-501 to 07-555

X-Ray Test Patterns for Measuring Resolution

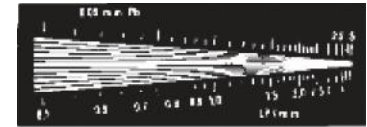
The choice of pattern depends on the specific application. The sector test patterns are 0.4°, and the group test patterns have varying numbers of line pair groups. Lead thicknesses are limited by the resolution, with a maximum thickness of 0.1 mm for test patterns up to 5 LP/mm. Radiopaque numbers indicate the resolution (in LP/mm) of each group.

Model	Range of resolution in LP/mm	Number of groups	Lead-foil thickness in mm	Dimensions in mm
07-501-2000	1.0-4.8	16	0.1	110 x 40
07-501-1000	<i>Ultra-High Precision Pattern (same specifications as Model 07-501-2000)</i>			
07-521	2.0-10.0	15	0.05	94 x 50
07-525	3.15-16.6	15	0.03	94 x 50
07-555	5.0-20.0	13	0.02*	25 x 10
07-515	1.0-10.0	1	0.05	80 x 40
07-523-2000	0.5-5.0	1	0.1	157 x 50
07-523-1000	<i>Ultra-High Precision Pattern (same specifications as Model 07-523-2000)</i>			
07-539	1.5-20.0	1	0.025	60 x 30
07-526	0.6-10.0	26	0.05	65 x 55
07-527	0.6-5.0	20	0.01	50 x 50
07-535	0.6-5.0	20	0.05	50 x 50
07-538-2000	0.6-5.0	20	0.1	50 x 50
07-538-1000	<i>Ultra-High Precision Pattern (same specifications as Model 07-538-2000)</i>			
07-541-2000	0.6-3.4	2 x 15	0.1	50 x 50
07-541-1000	<i>Ultra-High Precision Pattern (same specifications as Model 07-541-2000)</i>			
07-548	2.0-6.0	2 x 14	0.08	50 x 50

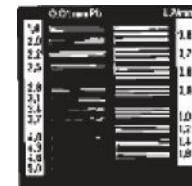
* Gold-foil thickness in mm.



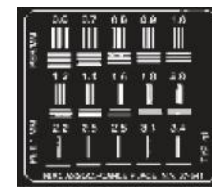
Shown in Model 07-501-2000



Shown in Model 07-523-1000/2000



Shown in Model 07-527



Shown in Model 07-541-2000

X-Ray Test Patterns for Measuring Resolution of Image Intensifiers and Video Systems

Model	Range of resolution in LP/mm	Number of groups	Lead-foil thickness in mm	Dimensions in mm
07-506	1.0-2.0	2 x 6	0.1	32
07-507	3.0-4.0	2 x 6	0.1	32
07-511	2.0-3.0	2 x 6	0.1	32
07-519	1.8-3.15	2 x 6	0.1	32
07-529	2.8-5.0	2 x 6	0.1	32
07-532	5.0-6.0	2 x 6	0.05	32
07-537	5.0-7.0	2 x 6	0.05	32



Shown in Model 07-506

Ultra-High Precision Test Pattern for Measuring Modulation Transfer Function

The Ultra-High Precision Test Pattern utilizes 22 groups of line pairs. Each group is indicated by the extended line above the pattern. The resolution of the individual groups can be taken from the table. Lead thickness is 0.05 mm. Pattern size is 71 x 44 mm.

Group	1	2	3	4	5	6	7	8	9	10	11
LP/mm	0.25	0.5	0.6	0.7	0.85	1	1.2	1.4	1.7	2.0	2.4

Group	12	13	14	15	16	17	18	19	20	21	22
LP/mm	2.9	3.5	4.2	5	6	7	8.5	10	8.5	7	6



Shown in Model 07-553

Available model(s)
07-553 Ultra-High Precision Test Pattern

For more information, receive our full product catalog, or order online, contact **Radiation Management Services** business of **Fluke Biomedical**: 440.248.9300 or www.flukebiomedical.com/rms.

Specifications are subject to change without notice.

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