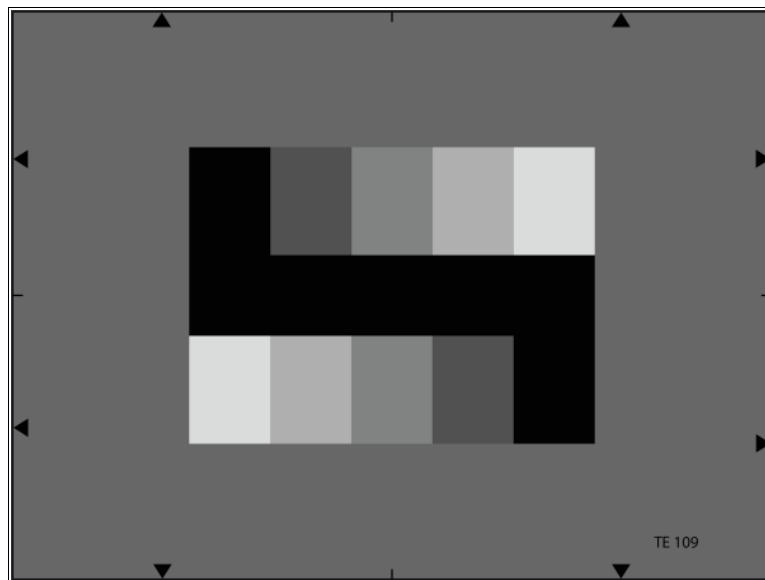




LOGARITHMIC GRAY SCALE TEST CHART

REFLECTANCE



Two 5-graduated counter current gray scales are arranged on a gray background ($D=0.83$), the gray scales being graduated logarithmically. Related to the densities of the gray scales: $\gamma=0.45$. Related to the remission values (brightness): $\gamma=2.2$, that being exactly the reciprocal value of $\gamma=0.45$.

The signal of the background is in the middle of the 3rd and the 4th step. The output of an optimally gamma-corrected camera yields two 5-graduated counter current linear step signals. The contrast range of the gray scales is 40: 1.

The values of the 5-graduated gray scale are as follows:

Step	Density	Reflectance in %	Output voltage in %
1	0.15	71	100
2	0.37	43	77.5
3	0.65	22	55
4	1.05	9	32.5
5	1.75	2	10

The density values are based on a density of $BaO_4S=0$. A field of black velvet is located between the gray scales. The density of this field is $D > 2.4$ (reflectance $< 0.5\%$).

