

Using the Klein Gauge to Measure Convergence Error in Quality Control

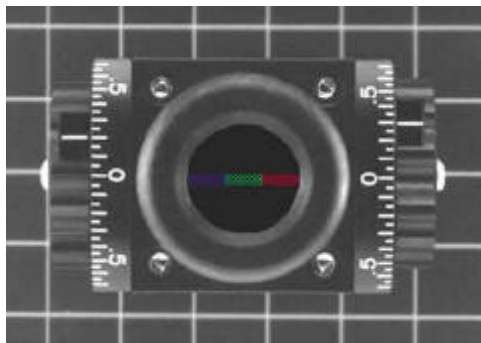
Method

Use the Klein Gauge to determine the greatest convergence error in the Y-axis direction, then rotate the device 90 degrees and determine the greatest convergence error in the X-axis direction.



The Klein Gauge as pictured below is a CM7AG shown placed on the CRT screen, with the Y-axis mark up. The knob pointers are indicating results.

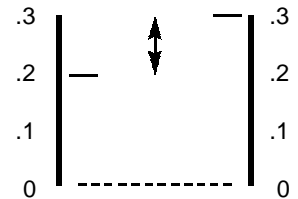
Example 1



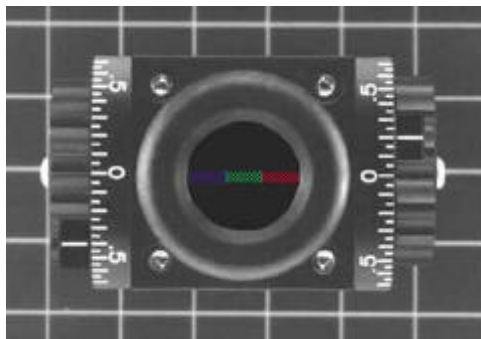
Convergence Error (Y- direction)
*greatest magnitude error
(graph is visual representation of R/B)

Ex. 1

B/G 0.2
* R/G 0.3
R/B 0.1

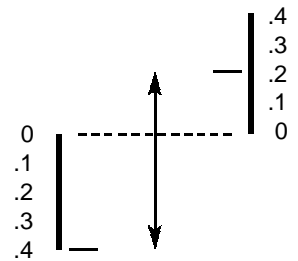


Example 2

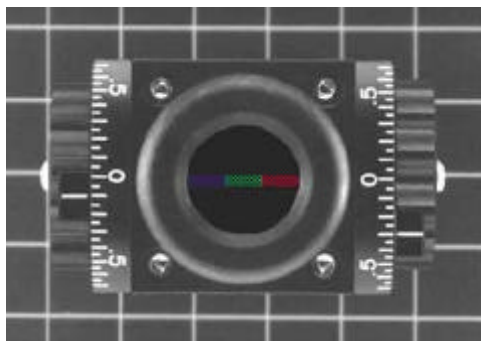


Ex. 2

B/G 0.4
R/G 0.2
* R/B 0.6

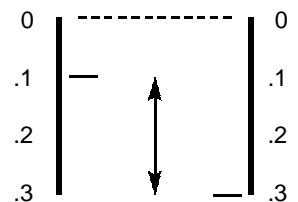


Example 3



Ex. 3

B/G 0.1
* R/G 0.3
R/B 0.2



These convergence error examples are of the Y-axis. Remember to take convergence error measurements for the X-axis. For any questions on accuracy, see the Convergence Gauge F.A.Q. (02-0035-2).