

COLOR AND INTENSITY MEASURING MODULE FOR TEST OF LIGHT EMITTING COMPONENTS BY AUTOMATED TEST EQUIPMENT

ABSTRACT

A test module used to verify the correct placement of light-emitting devices on electronic assemblies, by performing color and luminous intensity tests on these devices. The module includes one or a number of color sensitive photodiodes, which when exposed to light coupled from the emitter under test, will accurately measure the intensity, as well as the true color emitted by the device. The test module outputs analog signals, one directly proportional to the intensity, a second voltage proportional to the spectral wavelength of the device under test.

FIGURE 1