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(57) Abstract :

The present disclosure relates to a testing assembly (100) for liquid crystal display cells. The assembly (100) is provided with a housing (102) where a light source (104), a polarizer (106), a sample (114), an analyser (106) and a photodiode (110) are configured. One or more plate's (112-1 to 112-5) are movably configured to secure the light source (104), the polarizer (104), the sample (114), the analyser (108) and the photodiode (110) in the housing (102). Additionally, the sample (114) is provided with temperature control and voltage supply through a controller (116). The sample (114) is positioned in the housing (102) for testing between the polarizer (104) and the analyser (106) where the light source (104) passes a beam of light through the polarizer to the sample (114). The polarized light then passes through the analyser (108) to be detected by the photodiode (110) and measured using a signal analyser (118).

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