

Optoelectronic System for Monitoring of Oil Content in the Purified Water Based on the Element of Frustrated Total Internal Reflection

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Abstract. To suggest new design optoelectronic multifunctional test-systems on the base of semi conductive optron of an open channel have been constructed and worked out for the first time. Which distinctive features is that a ditch is made in the form of a transparent sphere, in side has a cavity in a form cylinder, and at the centre cylinder installed the cylindrical or prismatic silver reflecting surface, and also the switch of optical pairs. In the each parameter is supervised by four radians and detectors the open channel.

Keywords: emitting diodes, emitting receiver (OER), destructed full inner reflection (DFIR), optoelectronic systems.

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