

Bomb Detectors

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Abstract: *This paper is based on the detection of the explosive. Detection of explosives is based on technologies that focus on either bulk explosives or traces of explosives. Bulk explosives can be detected indirectly by imaging characteristic shapes of the explosive charge, detonators, and wires or directly by detecting the chemical composition or dielectric properties of the explosive material. Trace detection of explosive or on explosive particles that are deposited on nearby surfaces. Sensors are used which is assign to X ray radiation, optical radiation sensors, as well as detectors applied in gas chromatography, electrochemical and chemical sensors. Also, neutron technique and attractive resonance devices were analyze. Special thought was drawn to optoelectronic sensors of explosive devices.*

Keywords: Unstable device sensors, detection of explosive materials, Bulk explosives, X ray rays, optical emission sensors