

The application of ultrasonic transducer in bacteria growth monitoring system

Abstract

The development of bacteria growth monitoring system is described in this paper. The system uses ultrasonic sensor as the main component which able to differentiate various concentration caused by bacteria growth. LED bar display is used as growth indicator. In future, bacteria growth monitoring system that connected to other system for controlling the bacteria will be developed together with system that able to detect the type of bacteria in sample.

Keywords — Bacteria growth detection, process monitoring system, ultrasonic transducer