

Design of data acquisition system for environmental sensors manufactured in LTCC technology

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Abstract

In this paper a new architecture of a continuous sensors monitoring system based on charge amplifier and ARM microcontroller is proposed. In particular the electrical circuit, the schematic of a double system monitoring of sensors and Labview user interface were designed.

Keywords: sensors, monitoring systems, charge amplifiers, microcontrollers, capacitive sensors, temperature sensors, voltage measurements, pollution measurement

References