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Robust and cost-effective system for measuring and logging of data on soil water content and soil temperature profile

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ABSTRACT

The paper describes the system for measuring and logging of data on soil water content and soil temperature profile. The system was tested in a field and shows great potential for performing continuous measurements. It has several benefits including ease of manufacture, low cost, reliable performance and the ability to download the data without specialized software.

KEYWORDS

Data-Logger; Soil Temperature; Soil Water Content; Microcontrollers; Sensors

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