

STUDY OF SOME POSSIBILITIES TO IMPLEMENT SIGNAL ACQUISITION IN APPLIED BIOTELEMETRY SYSTEMS

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Abstract

The paper describes possibilities to implement a biomonitoring system used to collect and remotely transmit (by radio link) physiological parameters of large domestic animals in various experiments. The possible solutions are examined and evaluated. The resulting system allows a series of experiments on domestic animals like: feeding and drinking behavior, movement tracking and evaluation. The system is composed from a number of small acquisition terminals (portable units), carried by the subjects and a unique collector station (stand unit), which decodes and transmits data to the surveillance computer (PC).

Keywords: *biotelemetry, data acquisition, physiological parameters.*