

# CONTROL AND MONITORIZATION OF THE TEHNOLOGICAL PARAMETERS OF TRANSPORT BY CONVEYOR BELT

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**Abstract** : The stuff excavating and the coal output in the open quarry of lignite from Oltenia coal basin is realizing by operation line of excavating-transporting-dumping.

The knowledge problem of excavating of discharge of solid in clock unit is very important for the observing of production for every scoop shovel, the estimation of prime cost, unkeeping cost and carriage, and for the following the profitableness of every rubber band.

In this paper we present an equipment for the estimation of quantity of excavating material, who contain three SA6A analog distance sensors for the calculating of the quantity of excavating material transported by conveyor belt from open quarry of lignite from Oltenia coal basin. The solution implying the use of equipment provided with ultrasonic sensors allows solving the problem of the already known excavated coal volume within the time unit, which is essential for the production pursuance for all machinery, for the costs assessment on the product unit and the tracing of each band's profitability on different scheduled sections. As far as the aspect of metallic construction is concerned, the developments to be implemented to the transport system with the specific purpose of improving the technological parameters for material handling are easy to perform and imply relatively reduced costs, being also easily controlled and intelligibly operational for the shovelman and the electrician from the powerhouse within the excavator.

## REFERENCES

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