
ABSTRACTS

doi:10.22306/am.v3i3.37

Received: 17 May 2018

Accepted: 02 June 2018

MEASUREMENT OF DUST MASS CONCENTRATION

(pages 1-5)

Tatiana Kelemenová

Technical University of Kosice, Faculty of Mechanical Engineering, Letna 9, Kosice, Slovak Republic,
tatiana.kelemenova@tuke.sk (corresponding author)

Miroslav Dovica

Technical University of Kosice, Faculty of Mechanical Engineering, Letna 9, Kosice, Slovak Republic,
miroslav.dovica@tuke.sk

Eduard Jakubkovič

Technical University of Kosice, Faculty of Mechanical Engineering, Letna 9, Kosice, Slovak Republic,
eduard.jakubkovic@tuke.sk

Keywords: dust mass concentration, measurement, calibration, uncertainty

Abstract: The paper deals with measurement of dust mass concentration in working environment. Because of variability of the quantity, also uncertainty balance is needed. There are several methods for measurement of dust mass concentration. Gravimetric methods are frequently used for this purpose, but also this method is used as reference methods for calibration of others methods of measurement.

doi:10.22306/am.v3i3.38

Received: 23 May 2018

Accepted: 04 June 2018

DIDACTIC MODELS OF MANIPULATORS

(pages 7-11)

Władysław Papacz

University of Zielona Góra, Faculty of Mechanical Engineering, ul. Prof. Szafrana 4, 65-246 Zielona Góra, Poland, EU,
w.papacz@ibem.uz.zgora.pl

Keywords: mechatronics, experimental model, control unit, didactic

Abstract: The paper deals with experimental model designed for educational purposes. These educational models support the creativity and innovation thinking of students. Both designed models are as compact model, but they enables completely rebuilding by students also students can add new units for extending of possibilities of these model.
