

HIGH-PERFORMANCE CERAMICS

## TUBES FOR THERMOGRAVIMETRY

**Application:**

Measurements under extreme conditions

**Material:**

Aluminium Oxide ( $\text{Al}_2\text{O}_3$ ) **DEGUSSIT AL23**

Chemical reactions normally involve changes in mass. This change, caused e.g. by oxidation or elimination of volatile matter, can be detected through thermo-gravimetry.

Thermo-gravimetric instruments enable measurements to be performed in corrosive, toxic and/or explosive reaction gases and also in vapour atmospheres within a wide temperature range (up to 1600 °C) and under pressure. Measuring in corrosive atmospheres is made possible by means of a magnetic suspension balance, as well as by the gas-tight **DEGUSSIT AL23** ceramic measurement cell tubes in the furnace. This ensures that the sensitive components of the balance and furnace are securely isolated from the destructive reaction atmosphere.



**Fields of Application:**

- ▶ All sectors of raw material analysis as well as material analysis in general
- ▶ Research and development departments in the sector of development of new materials

- ▶ High temperature resistance
- ▶ High resistance to wear
- ▶ High form stability

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**Competence in Advanced Ceramics**  
Engineering for customized solutions

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