

## HIGH-PERFORMANCE CERAMICS

### LEVEL MEASUREMENT OF LIQUIDS AND SOLIDS

**Application:**

Level measurement of liquids and solids

**Material:**

Aluminium Oxide **F99.7**

Level sensors are more and more frequently operated with radar or ultrasonic transmitters made of **F99.7** Aluminium Oxide. Aluminium-Oxide Ceramics are used in level measurement as antennas / transmitters of the radio-waves, microwaves or ultrasonic waves.

The waves transmitted are led along a cable or rod sensor and are reflected by the product surface.

By means of attached electronic-measurement devices, exact data on the filling level of the vessel can be obtained on the basis of their travel time or changes in frequency. Accretions, dust or vapours do not affect the measurement findings.

The measuring of liquids, bulk materials and separating layers is thus ensured both simply and reliably.



- ▶ Can be used at extreme temperatures
- ▶ Corrosion resistant
- ▶ Thermal shock resistance

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

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