

HIGH-PERFORMANCE CERAMICS

## HUMIDITY SENSOR FOR LIQUIDS AND SOLIDS

**Application:**

Humidity sensors for liquids and solids

**Material:**

Aluminium Oxide **F99.7**

Zirconium-Stabilised Aluminium Oxide **FZT**

Humidity sensors made of **F99.7** Aluminium Oxide or **FZT** Zirconium-Stabilised Aluminium Oxide are used more and more frequently in the most varied fields of application. Examples of these applications include not only measuring of water content in crude oil conveyor units, cement works conveyor belts and mixers, but also the production of foodstuffs. Here, the physical principle is the determination of capacity in the high-frequency field. The rear of the sensors can be fitted with a conductive coating to which the electronics can be connected.



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

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Engineering for customized solutions

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