

# NEW PRODUCT PRESS RELEASE

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For Immediate Release

## NEW RTD TEMPERATURE SENSOR MEANS SAFER PROCESSES FASTER RESPONSES AND LESS DOWNTIME

The latest addition to the range of **temperature sensing products** from sensing and instrumentation specialists **BAUMER** is the **TER8**, a **compact sensor based** on RTD (Resistance Temperature Detection) technology. These front-flush, low-invasive resistance thermometers are specially designed for applications which demand optimum measurement accuracy combined with the need to meet stringent hygienic standards.

The combination of all wetted parts made exclusively from PEEK contained within an ultra-compact stainless steel housing (protecting up to IP69K), means these sensors offer significant benefits for temperature sensing in hygienic applications. The concept of avoiding the use of any elastomers for wetted parts ensures not only compliance to 3A and EHEDG but also means market-leading hygienic benefits, whilst minimising maintenance and downtime.

Based on the successful Baumer TE2 Series, the new TER8 option adopts the proven mechanical and electromechanical properties and fits into even tighter spots which can be difficult to access. In its front flush variant the sensor allows for direct process integration, regardless of agitators or any other tank assemblies. This mounting versatility means reliable temperature detection, even in the most restricted situations.

The front flush option also plays to its strengths when installed in pipelines as it has very low impact on media flow and also permits the use of PIGS (Pipeline Inspection Gauges). In

comparison to similar sensors with metal sensor inserts, with the TER8 there is no need for sealing points in the process and with its hermetically sealing towards the process prevents the ingress of steam. This ensures absolute reliability and long-life performance even in wash-down areas, especially in SIP processes.

Finally, the specialised insulation between the sensing element and housing isolates the media temperature to be measured from ambient influences resulting in more reliable measured results. ENDS

More at: <https://www.baumer.com/gb/en/product-overview/process-sensors/temperature-measurement/hygiene/front-flush-/ter8/p/34149>

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