

Combi-sensor XTL with temperature measurement and level detection in one component

Measuring temperatures precisely and detecting the filling level at the same time.

The combi-sensor XTL with temperature sensor and electrically contacted sleeve for level detection is perfectly suited for all applications in which temperatures and limit levels are crucial for a functioning fluid process. The combi-sensor XTL reduces the number of required components to a minimum.



ADVANTAGES



Compact and intelligent

Reduction to one component simplifies installation, assembly and materials management and minimizes installation space.



Customizable and efficient

Sensor type, sleeve and cable length adaptable, can be combined with all AVS Römer push-in fittings.



Maximum cost reduction

Cost savings by combining the two functions in one component.



Simply mounted

Easy handling and quick, tool-free assembly thanks to AVS Römer push-in technology.



Flexible installation position

Various installation options due to the flexible mounting. Sensor rotatable by 360°.

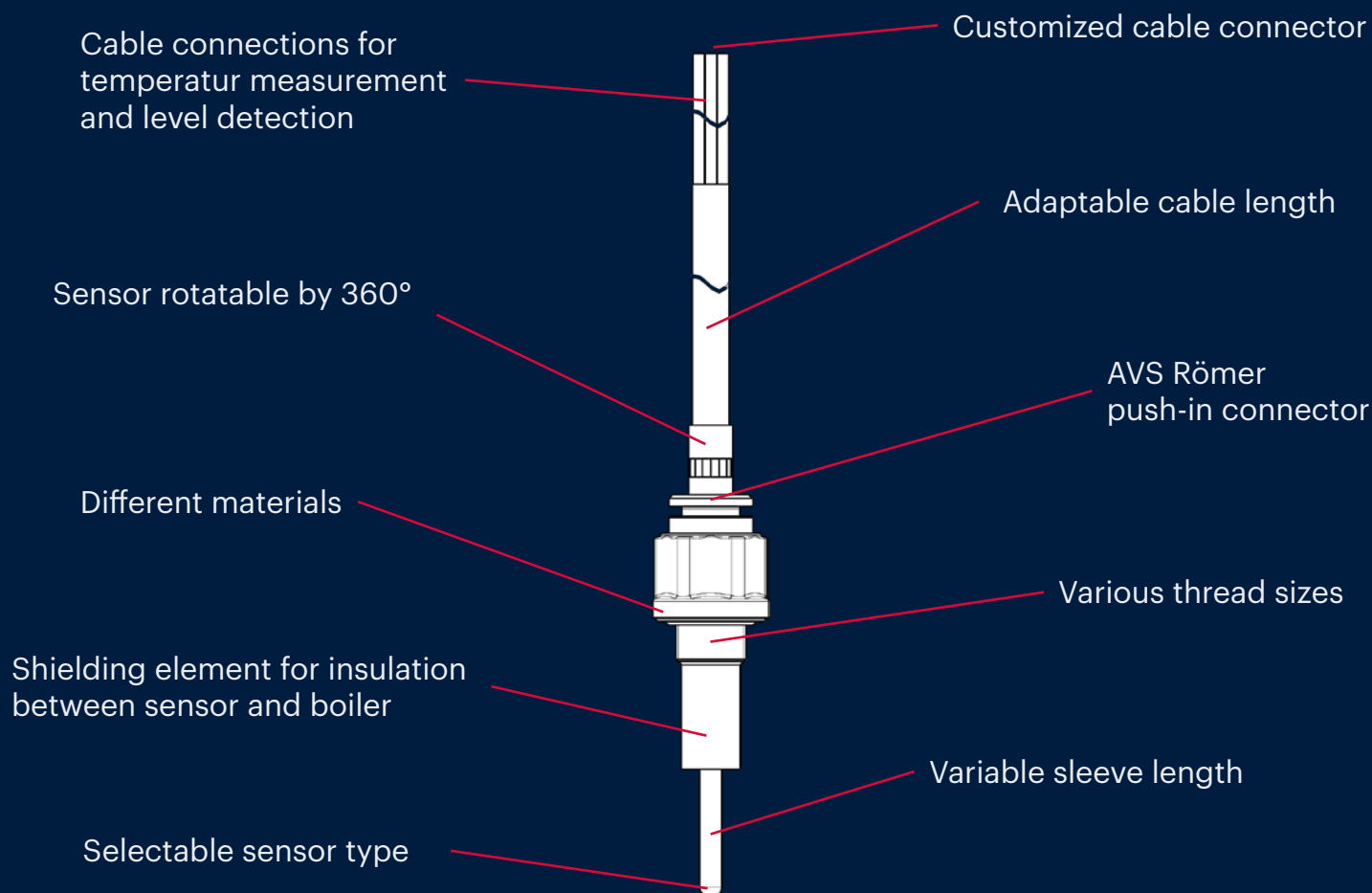


Tailored to your requirements

Variants of the standard products or customized special solutions as the perfect solution for your application.



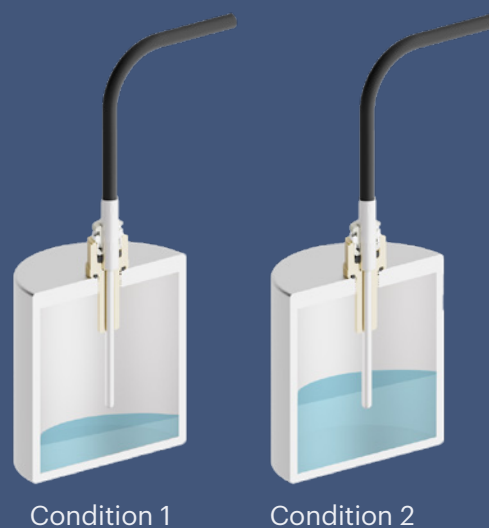
Temperature measurement and level detection intelligently combined



OPERATING PRINCIPLE:

Based on the signal detected between the sensor sleeve and the housing of the boiler, the combi-sensor recognizes whether a defined filling level has been reached and at the same time measures the temperature. The following conditions can be distinguished:

- Condition 1:
The medium is not in contact to the sensor tip and the level is below the sensor tip. The steam/air temperature is measured.
- Condition 2:
The medium reaches the sensor tip. The level corresponds to the insertion depth defined by the sleeve length. The medium temperature is measured.



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