

iTHERM TT411, TT412

Innovative thermowell designed for hygienic applications

Advanced tee and elbow thermowells

The new iTHERM TT4xx tee and elbow thermowell elements are ideally suited for applications in the life sciences and food & beverage industries where hygienic design and optimized measurement are key.

A state-of-the-art mechanical engineering process guarantees a construction without welds and dead legs for precise, safe and clean operation.



Your benefit

Value	Benefit	Feature	Supporting documents
Increased product safety	Extremely accurate measurement	Optimized design	Technical documentation
Increased process safety	Best-in-class hygienic design	No dead legs, no welds	CoC ASME BPE
100% compliance	Fit for all hygienic applications	International certifications and approvals	EHEDG, 3-A certificates

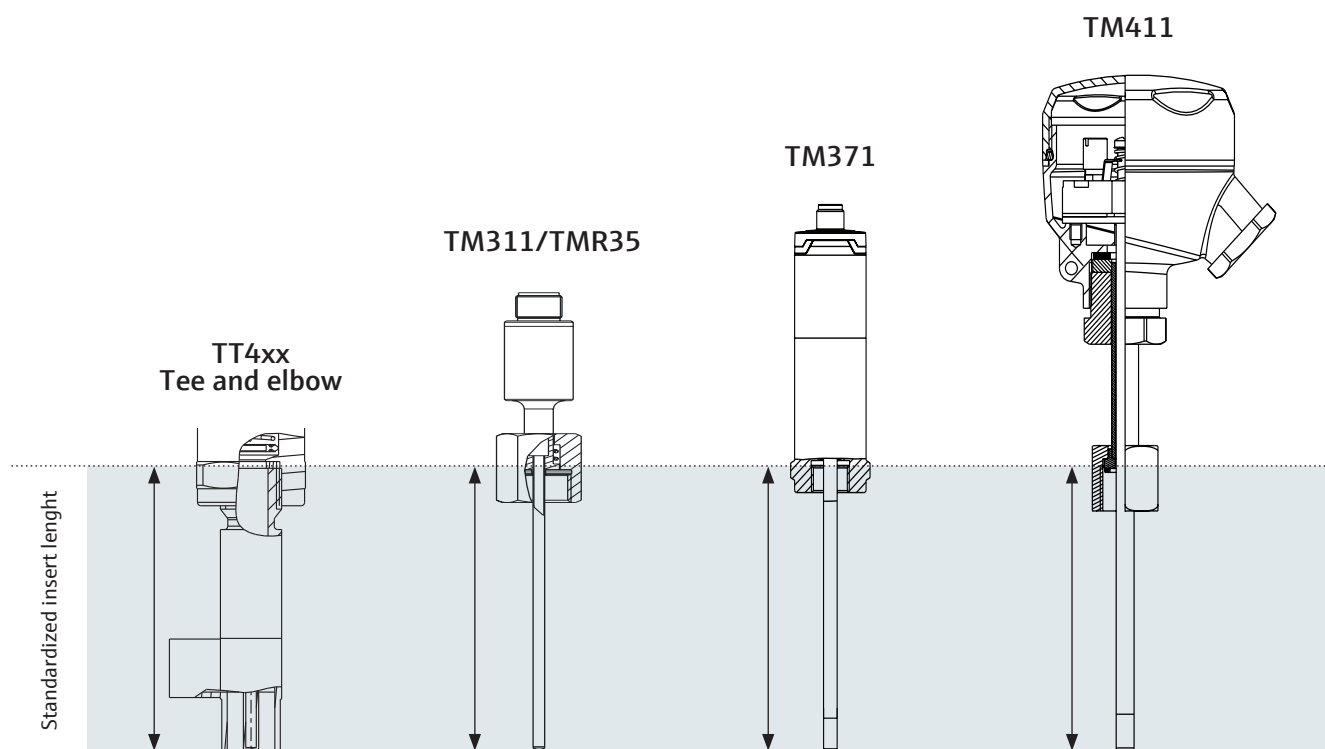
Application

- Specially designed for use in hygienic and aseptic applications in the life sciences and food & beverage industry
- International certifications and approvals: EHEDG, 3-A, ASME BPE, TSE
- Large variety of pipe sizes available as standard

iTHERM TT4xx specifications

- Temperature range: -60 to 200 °C (-76 to 392 °F)
- Pressure range: PN25 acc. DIN11865
- Protection class: up to IP69K
- Material: 1.4435+316L; delta-ferrite content <0,5%
- Pipe sizes: acc. DIN11866 row A, B and C; sizes: DN10...DN38,1; larger sizes available on request

Standardized insertion lengths for all sizes and products



Matching length-options of thermometers

Thermometer	TM311/TMR35	TM371	TM411
Insertion length	83 mm (3.27 in)	85 mm (3.35 in)	85 mm (3.35 in)