

## Fast, precise, non-invasive

Passive surface temperature probe

- Clamp-on solution reduces installation costs and effort
- Also suitable for use in hygienic areas
- Fast response time and high measurement accuracy for a clear process overview





ifm - close to you!

External pipe diameter [mm]	Nominal width	Order no.
1721	DN15	TSM201
2124	DN20	TSM301
2530	DN25	TSM401
3236	DN32	TSM501
3845	DN40	TSM601
4854	DN50	TSM701

Common technical data			
Temperature measuring range	[°C]	-25160	
Measurement accuracy	[%]	2	
Measuring element		Pt1000	
Response time T09	[s]	25	
Protection rating		IP69K	

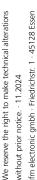
## Simple process monitoring even on small pipes

The temperature probe for surface mounting enables quick, flexible and easy measuring point configuration. The passive temperature probe is particularly suitable for use on small pipe diameters where invasive temperature monitoring would significantly affect the flow of the medium. As the values are recorded non-invasively, there is no risk of contamination of the medium. Instead, the installation is easy and does not require time-consuming and cost-intensive drilling and welding, so that the measuring point can also be installed in the running process.

## Tested hygienic suitability

Thanks to a temperature range of up to 160 °C, high protection rating IP69K and the hygienically safe mounting principle tested by Ecolab, the probe is also suitable for use in food production. In combination with invasive temperature monitoring, for example, complete heating of the pipes required in the CIP process can be ensured.

## **BEST FRIENDS**





Temperature plug
Converts resistance values into
analogue or IO-Link signals



moneo|blue Manage IO-Link devices conveniently via smartphone app



**IO-Link masters**Field-compatible masters
for use in hygienic areas



For further technical details, please visit: ifm.com/fs/TSM301