

Reliability, durability, quality – a new class in sanitary temperature measurement TSM – One Temperature sensor for All

Flex-Hybrid Technology: IO-Link and 4...20 mA

The Flex Hybrid Technology with IO-Link and 4...20 mA combines the best of two worlds: Data can be transmitted from the sensor in digital, analog, or parallel mode.

- Thanks to its flexible plug & play communication, installation and commissioning are time- and costsaving.
- Simple individual programming with IO-Link Master, e.g., for changing the measuring range or for two-point calibration using offset and span
- Sensor replacement is **easier than ever before**, thanks to the "Smart Replace Design" with automatic sensor identification, configuration, and parameter setting.

The new standard for temperature

The Anderson-Negele temperature sensors are already **synonymous with quality, reliability, and durability.** The new TSM series can outperform even this:

- · Extended process temperature range: -50...350 °F
- Considerably improved measuring accuracy: < ±0.1 K
- Higher ambient temperature resistance: 185 °F
- **Robust One-piece design** entirely in stainless steel: Long-term stability and application reliability

Consistently configurable and compatible

Thanks to the **completely configurable concept**, you can design **your individual sensor** in just a few steps. Nearly all combinations are possible.

- For **new equipment**, Flex-Hybrid technology offers maximum flexibility and sustainability.
- For **retrofitting**, TSM can replace any TSMU mini-sensor in existing installations - with all additional benefits
- For the replacement of third-party devices, a suitable model is always possible due to the large selection of process adaptations and maximum flexibility in the configuration

Alternative Version: TSB (Ø 2.1") with extended functions



Technical specification at a glance

- One Temperature sensor for all applications
- Extremely compact Mini version (Head Ø 0.7")
- Flex-Hybrid Technology with digital + analog interface (IO-Link + 4...20 mA)
- **Configurable Design: step-by-step selection** from the economic basic version to the high-end model
- Insertion length 0...43 " (0"...15/16")
- Version for flush installation available
- Installation with thermowell possible, thus **sensor** removal without process opening
- Protection class IP 69K for max. application safety
- Two-point calibration possible using offset and slope

Configurable design: Maximum flexibility for simplified individualization



SENSORS FOR FOOD AND LIFE SCIENCE.



Order code														
тяма	Temperatur Sensor Mini for Food Applications, material wetted parts 1.4404 (AISI 316L)													
	Process connection (: 3-A conform) 001 Tri-Clamp 1/2" 002 Tri-Clamp 3/4" (A) 004 Tri-Clamp 1 ¹ /2" (A) 005 Tri-Clamp 2" (A) 062 Thermo Well 41247 (A)							074 075 079 080 084 174	 4 E1 Style - 1/4" Dia. 5 E1 Style - 3/8" Dia. 9 E3 Style - 1/4" Dia. (w/ adj. union) 0 E3 Style - 3/8" Dia. (w/ adj. union) 4 1/2" NPT 					
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