

Product overview | Temperature sensors

Temperature sensors

Precise temperature measurement enabling safe
and energy efficient operation of your system.

One

stop shop for your
sensor needs



Temperature sensors

overview



Type	Standard	AKS 11	MBT 153	MBT 400	MBT 3250	MBT 3252	MBT 3270	MBT 3310	
Industries	Heating	✓	✓	✓	✓	✓	✓		
	Industry		✓		✓	✓	✓	✓	
	Marine			✓	✓				
Characteristics	Pt 100/Pt 1000	✓	✓	✓	✓	✓	✓	✓	
	NTC/PTC		✓		✓		✓		
	Thermocouple								
	Transmitter								
	Transmitter as option					✓			
	Measuring insert	Fixed	Fixed	Fixed	Replaceable	Replaceable	Fixed	Fixed	
	Medium temperature	°C	-40 - 100°C	-50 - 200°C	-30 - 50°C	- 50 - 200°C	-50 - 400°C	-50 - 300°C	-50 - 200°C
		°F	-104 - 212°F	-122 - 392°F	-86 - 122°F	-122 - 392°F	-122 - 752°F	-122 - 572°F	-122 - 392°F
	Enclosure IP	IP 67	IP 67	IP 54	IP 65	IP 65	IP 67	IP 65	
	Material protection tube	N/A	AISI 304/316	N/A	AISI 316Ti	AISI 316Ti	AISI 316Ti	AISI 316Ti	
	Reaction time $t_{0,5}$ in water (sec)	10 s on Cu tube	1 s	τ air 3 min	9 s	12 s	1.3 s	6 s	
	Zero point and span adjustment	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	Marine approvals								

Unsurpassed expertise makes all the difference

When you choose Danfoss as your supplier of pressure transmitters and temperature sensors, you choose a dedicated partner who truly understands the challenges in your specific application. Years of experience allow us to provide you with advanced solutions that will meet your every requirement in terms of performance and life cycle durability. Select from our wide range of standard devices or team up with our worldwide sensor experts to design a customized solution for your equipment.



Marine

Alongside the increasing demand for shipping tonnage, demands on engines to consume less fuel, control emissions, and enhance performance rise. Danfoss sensors withstand harsh conditions, help you meet strict environmental regulations, and increase safety and efficiency. Our temperature sensors and pressure transmitters support:

- Engine and propulsion system
- Exhaust gas treatment systems
- Fuel, oil, and water treatment systems
- Auxiliary systems



Industry

Industrial applications call for dedicated products—from heavy-duty off-shore wind power equipment to cutting-edge water distribution systems. Close cooperation allows us to develop dedicated sensor solutions tailored to your specific applications. Our robust sensors are accurate, reliable, corrosion-resistant and energy-efficient, supporting:

- Wind power industry
- Water distribution industry
- Air compressor industry



Heating

Heating is critical to the infrastructure of our growing cities and must meet new standards for safety and efficiency. Danfoss offers a dedicated range of pressure transmitters and temperature sensors to optimize heating applications such as:

- Boiler room equipment
- District heating substations

For more information, contact us at Sales.Sensors.NA@Danfoss.com

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