

Heavy Duty

Temperature sensors for rough environments, with Ex-d certificate



- Rugged construction of all components
- Connection head enduring for Offshore
- Explosion protection: all in one
 - Method of protection: intrinsic, explosion-proof
 - Certificates: 96/9/EG (ATEX), FM, CSA
 - Category: Gas, Dust
- Different cable entry sizes
- Wide range of process connections

Field^{IT}

Analyze^{IT} Control^{IT} Engineer^{IT} Field^{IT} Inform^{IT} Operate^{IT} Power^{IT}

Industrial^{IT}

ABB

Robust and versatile – the strong generation of connection head

The temperature sensor family TSHD (SensyTemp Heavy Duty) is particularly constructed for harsh conditions in the chemical and petrochemical industries as well as offshore technologies. An especially aluminium allows a rugged built at low weight. Anyhow it is enduring against chemical load. Furthermore an stainless steel version is available.

Certificate for intrinsic safety and explosionproof according 94/9/EG (ATEX), FM or CSA are at hand. The flat bottom part of the housing ensures best accessibility. A safety screw prevents accidental opening of the screw lid. For easy loosening a hexagon head type structure assists. When using transmitter heads with high covers it is even possible to mount two transmitters in the same head. The temperature sensor is available with a configurable digital display. Additionally, various different cable entries. An optional second cable offers many applications, e.g. lightning protection, redundant engineering or loop of the wiring.



Applications

Together with various different thermowells on

- Tubes
- Vessels
- Tanks
- Reactors

Industrial Fields

- Oil and gas exploration plants
- Pipelines
- Oil tankers
- Offshore
- Oil depots
- Chemical plants

Specifications

Connection head	- special die casting aluminum with low copper content chromates and outside epoxy coated - stainless steel construction
Ingress Protection	IP 66/67
 cable entries	M 20 x 1.5; 1/2" NPT
Ex-certificates	ATEX, FM and CSA (explosion-proof)
Options	digital display, internal grounding screw, second cable entry (on same level)



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