

testeck.com

THE RTD FOR HYDROPOWER STATION

- long term stability accuracy, repeatability
- High insulation, oil-proof, easy to dismounting



S series-special for hydropower station

S series

We offer the highest performance products. Used for thrust bearing and guide bearing segment and oil temperature monitoring.

Class: A

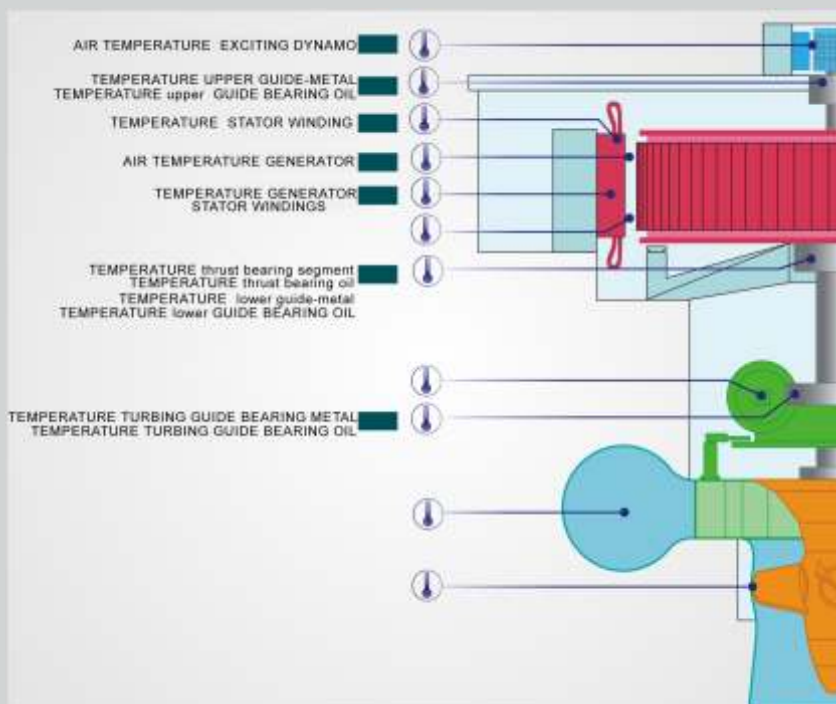
Armoured structure available

Pay more attention to rear protection structure

Special cable for oil-proof and bearing groove



Installation location sketch



Installation location included

Bearing oil groove

Water pipeline

Oil pipeline

Transformer

Characteristic

Element

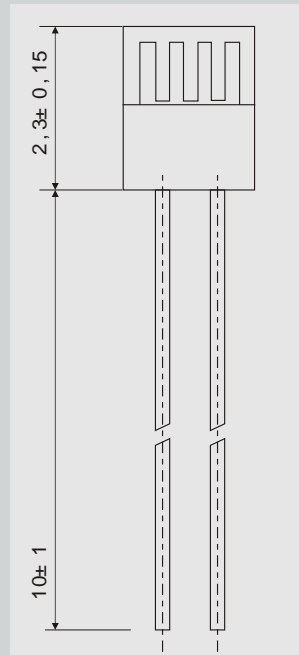
The performance of temperature sensor depend on the performance of the core chip in more the chip is made by laser grooving and scribing technics. It has the following specialties:

small volume:
1.6; 2.5; 4.0mm

Respond speed
quick: 0.5=0.1ms

high precision:
class A

good long time
stability



The early manou red

The inner of sensor uses the really MI cable. The higher pure magnesia packed into the MI cable by special technics. In order to the sensors have the good heat guide and insulated performance, we used desiccant, vacuumized, high temperature extended etc. Technics,

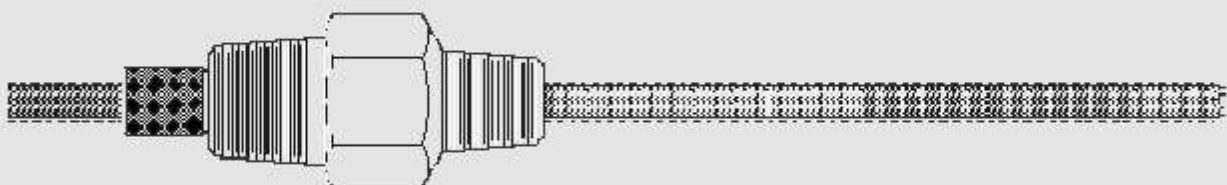


According to environmental extremes, we use many stainless steel shell. e.g. hot environment and anticorrosive environment.

Good mechanical performance:
aseismic shock resistance

Reticular shield

thrust bearing and guide bearing located at the generator's hole with the great power electric field and magnetic field interfere. So it is major importance that the probe and cable adopt the integrative reticular shield. Testeck's RTD not only make sure that the cable is shielded, and also make sure that the sensors is shielded which our congeners is easy to be neglected. Specially: the reticular shield all right for great power magnetic field.



High-temperature resistant, oil-proof, lashing-resistant cable

according to our experiences, The 30% of RTD's problems in hydropower station are caused by cables. The cables fit for turbine oil or other erosive mediums in long time. So it request that the cables have the great high-temperature resistant, oil-proof, bend resistant and oil flow lashing resistant performances. We have more 30 varieties of cables which can be worked in different environment.



This kind of cable is designed for hydropower station's RTD. It can immersed in turbine oil for 5 years more and still have the good shield and mechanical performance.

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This kind of cable strengthen the reticular shield function and have the very good high-temperature resistant performance.



This kind of cable is very fit for in water condition.



T series- small RTD in special positions

used for the generator stator core generator stator windings and transformer etc. positions which spaces is narrow. The installation way is more flexible, respond speed is more quick.



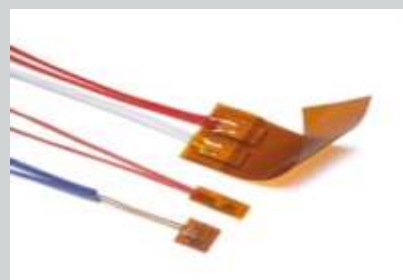
RTD is very suitable for generator stator core and windings.



RTD is very suitable for generator stator core. And also used for the small generator's turbing.



RTD's respond speed is very quick and it easy to lay. It is often pasted to metal surface to measuring or it is used for temporary testing.





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