

TEMPERATURE ELEMENT AND TRANSMITTER DATA SHEET

Company: Your Company Name / Logo

Doc no: Rev:

Yellow cells: enter data. Grey cells: calculated automatically. Free template from instrumentationblog.in

Document

Project		Revision	
Date		Requisition no	

Specification

No	Parameter	Value	Unit / notes
General			
1	Tag number		
2	Service		
3	Line or equipment		
4	P&ID number		
5	Hazardous area		
Process conditions			
6	Fluid		
7	Operating temperature (normal / maximum)		
8	Design pressure / temperature		
9	Fluid velocity		
10	Pipe size (for immersion length)		
Element			
11	Element type		
12	Tolerance class		
13	Number of elements / wires		
14	Sheath diameter / material		
15	Insertion length (U)		
Thermowell			
16	Thermowell type		
17	Process connection		
18	Material		
19	Bore / tip diameter		
20	Wake frequency calculation (ASME PTC 19.3 TW)		
Transmitter			
21	Mounting		
22	Input / range		
23	Output		
24	Sensor fault (burnout) direction		
25	Ex certification		
26	Enclosure (IP)		
Purchase			
27	Manufacturer / model		
28	Quantity		

Ask the vendor for a thermowell wake frequency and stress calculation to ASME PTC 19.3 TW at maximum velocity, especially for gas and steam lines and long wells.

Prepared by	Checked by	Approved by
Name:	Name:	Name:
Signature:	Signature:	Signature:
Date:	Date:	Date: