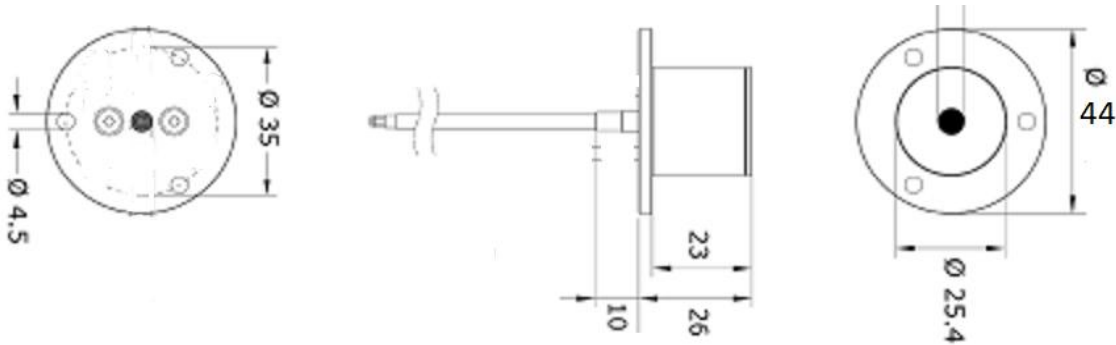


Technical Data Sheet			
Heat Flux Sensor - Slug Type			
1. Part Number	AST-HF-ST-D15-5-W7-K300M	Rev. 02	May /25
2. General characteristics			
			
3. sensing area dia [mm]	10		
4. flange diameter [mm]	44		
5. height [mm]	26		
6. Measurement range [kW/m ²]	50 - 500		
7. Exposure time interval (s)	5 - 12		
8. Calibration test sheet	delivered with hardware		
9. Thermocouple type	K		
10. Thermocouple cable length [mm]	2000		
11. Thermocouple connector	OST-K-M (max op. temp 220°C)		
12. Insulator material	Duratec 750®		
13. Sensor Material	Copper		
14. Sensor coating	black		
15. Measurement uncertainty	±5% of Measured Value		
16. Heat Flux equation	$\alpha \Delta T / \Delta t$		
17. α (KJ / m ² K)	17,2		
18. Designation	(1) AST-HF-ST-D15-5-W7-K300M Manufacturer Sensor Type _____ Insulator external Dia (min 6, max 50mm) _____ Sensor external Dia (min 2, max 25.4 mm) _____ Insulator width (min 5mm) _____ Thermocouple type (K or J) _____ Thermocouple cable length (min 300, max 3000mm) _____ Connector type (Male or Female) _____ (1) For sensors other than baseline part number AST-HF-ST-D15-5-W7-K300M consult the manufacturer		

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