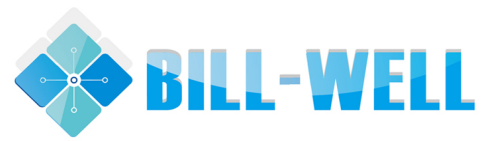


# Flexible sensor for surface measurement

## Type ESS



- PT100 Temperature sensor
- From -80°C to +180°C
- Temperature measurement on curved surfaces  
(Curvature radius from 5 mm to 40 mm)

### DESCRIPTION

A platinum wire protected by PTFE cover

### FEATURES

- Nominal value: 100 Ohms at 0°C  
Tolerance class according to ICE 60751: W 0.3  
Temperature coefficient = 3850 ppm/K
- Connection wires: 2, 3 or 4 wires  
AWG 22, PTFE insulated  
Length = 1,5 m  
Ø = 11,5 mm
- Housing advises: 0..1 to 10 mA  
Respect of the curve radius (from 5 mm to 40 mm)
- Options: - Twisted wire or held together by a shrink tube (loop)  
- various cable lengths available  
- Tight tolerance classes W 0.15, W 0.1 according IEC 60751

### APPLICATION

- Temperature measurement on curved surfaces  
(curvature radius from 5mm to 40 mm)
- Laboratory, pharmaceutical industry and medical applications
- Chemical industry
- Electronic industry

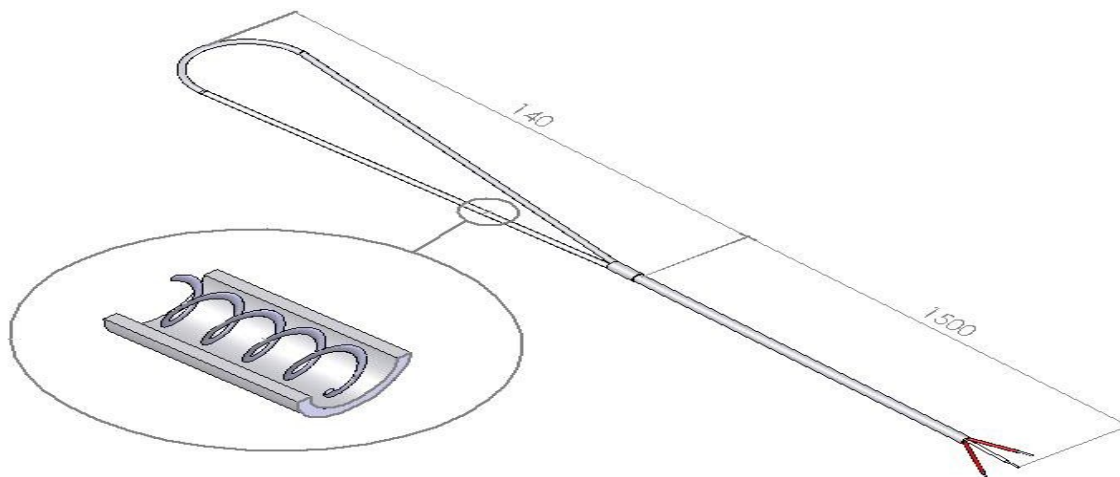
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### PERFORMANCE SPECIFICATIONS

Ref.	Self-heating coefficient (K/mW)		Response time T0,5 (s)	
ESS15	Water $v=0,4\text{m/s}$	Air $v=1\text{m/s}$	Water $v=0,4\text{m/s}$	Air $v=1\text{m/s}$
	0,001	0,03	0,35	2,5

### BLOCK DIAGRAM



### 联系方式



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