

## **FLEXIBLE RTD PROBE FOR SURFACE MEASUREMENT TYPE ESS**

### **SPECIFICATIONS**

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

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  $\alpha = 3850$  ppm/K
- Connection wires: 2, 3 or 4 wires  
AWG 22, PTFE insulated  
Length = 1,5 m  
 $\varnothing = 11,5$  mm
- Housing advises: 0.1 to 10 mA  
Respect of the curve radius (from 5 mm to 40 mm)
- Options:
  - open loop or help together by a shrink tube (closed loop)
  - various length of cable
  - narrower tolerance classes W 0.15 and W 0.1 according IEC 60751

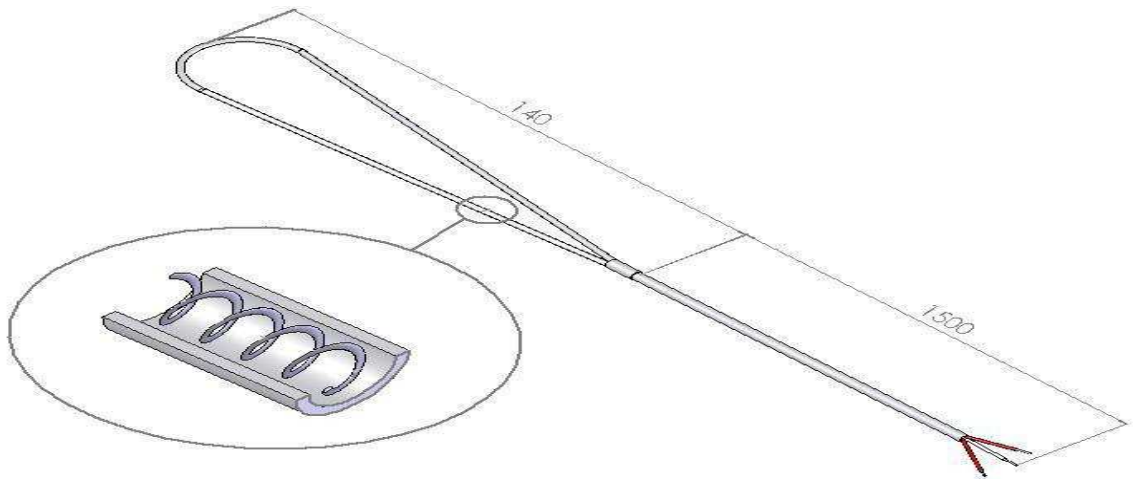
### APPLICATION

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

### FLEXIBLE SENSOR FOR SURFACE MEASUREMENT TYPE ESS PERFORMANCE SPECIFICATIONS

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

## BLOCK DIAGRAM



## ORDERING INFORMATION

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