

# Rotating Roll Surface Temperature Measuring Sensors JBS-3898

## ■ Features

JBS-3898 is a sensor for surface temperature measurement, and it is small and easily connectable. Pressed by the spring, a sensor touches to a measuring part and realizes a stable temperature measurement. Non contact type is capable of easy and accurate measurement for rotary roll and belt with shiny surface which is difficult to be measured.

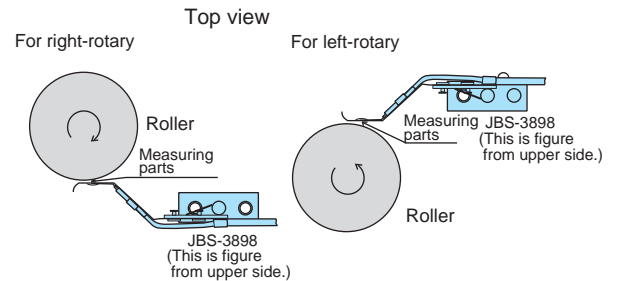
## ■ Specifications

- Thermocouple Type : Type K, Class 2 (JIS)  
Type T, Class 1 (JIS)
- Measuring accuracy : Type K  
 $\pm 2.5^{\circ}\text{C}$  [0 to 50°C]  
 $\pm(1.0^{\circ}\text{C} + 0.03|t|)$  or  $\pm 0.045|t|$ , whichever is larger.  
 [50 to 300°C] t: measuring temperature  
 Type T  
 $\pm 2^{\circ}\text{C}$  [0 to 50°C]  
 $\pm(1.0^{\circ}\text{C} + 0.03|t|)$  [50 to 100°C] t: measuring temperature
- Response time : Type K, Fiberglass lead wire  
 1.0 sec (Response of 63.2%). 3.6 sec (Response of 95.0%)  
 Type K, Fluorocarbon polymers lead wire  
 1.2 sec (Response of 63.2%). 6.3 sec (Response of 95.0%)  
 Type T, Fluorocarbon polymers lead wire  
 2.0 sec (Response of 63.2%). 6.0 sec (Response of 95.0%)
- Operating temperature : Type K, 0 to 300°C (Fiberglass lead wire)  
 Type K, 0 to 200°C (Fluorocarbon polymers lead wire)  
 Type T, 0 to 100°C (Fluorocarbon polymers lead wire)
- Contact plate : SUS304, Width 7mm, Thickness: 0.15mm
- Lead wire : Fiberglass lead wire, Element diameter ( $\phi 0.32$ )  
 Fluorocarbon polymers lead wire, Element diameter ( $\phi 0.2$ )
- Weight : 23g (Fiberglass lead wire, Lead length : 3m,  
 Lead wire termination : Spade lugs for JIS standard "M3" size screw)



2 types are available (Right-rotary and left-rotary types)

For directions of rotation and mounting of roller, we have right-rotary and left-rotary types.



## ■ Model Code

Specifications	Model and Suffix Code			
	JBS-3898	-□□□□-□□□-□□-□□-□□		
Lead wire length (unit: mm)	100 to 8000mm * 100 to 990mm (Specify 10mm each) 1000 to 8000mm (Specify 500mm each)	□□□□		
Lead protection	Fiberglass lead wire (Type K only) Fluorocarbon polymers lead wire		EXB EXF	
Lead wire termination	Spade lugs for JIS standard "M3" size screw Spade lugs for JIS standard "M4" size screw No terminal lugs *terminal soldered		Y3 R4 N	
Thermocouple type	Type K Type T			K T
Directions of rotation	For right-rotary For left-rotary			R L

## ■ External Dimension

Unit : mm

