

# 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.

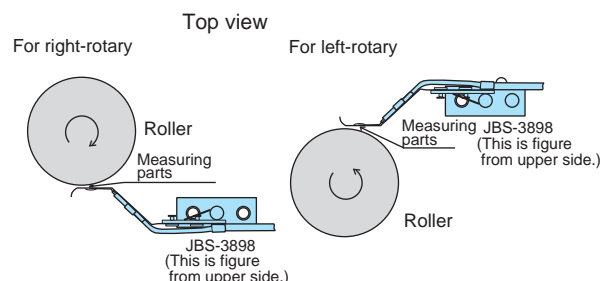
## Specifications

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

