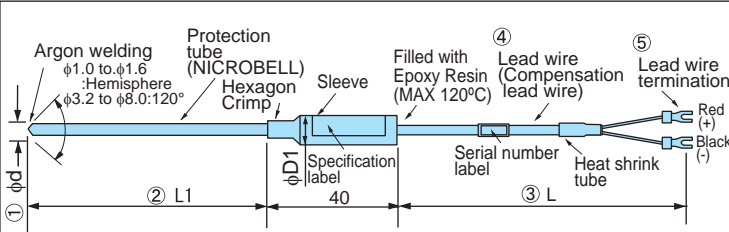


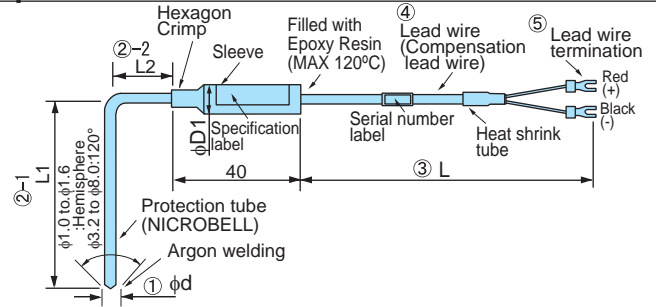
NICROBELL Sheathed Thermocouples : T-101N/T-111N



T - 101N - ϕd - L1 - L - □□□ - □ - □ - □ - □

- ① Diameter of protection tube
- ② Length of protection tube
- ③ Lead wire length
- ④ Lead protection
- ⑤ Lead wire termination
- ⑥ Thermocouple type
- ⑦ Sensing junction
- ⑧ Mounting bracket

Example : T-101N-4.8-100-2000-EXA-Y-K-G-N



T - 111N - ϕd - L1 - L2 - L - □□□ - □ - □ - □ - □

- ① Diameter of protection tube
- ②-1, 2 Length of protection tube
- ③ Lead wire length
- ④ Lead protection
- ⑤ Lead wire termination
- ⑥ Thermocouple type
- ⑦ Sensing junction
- ⑧ Mounting bracket

Example : T-111N-4.8-100-30-2000-EXA-Y-K-G-N

①	Diameter of protection tube	$\phi 1.0, \phi 1.6, \phi 2.3, \phi 3.2, \phi 4.8, \phi 6.4, \phi 8.0$
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②	Length of protection tube	Specify length by "mm" (100mm to 10,000mm)
		②-1 Specify length by "mm" (100mm or more, L1+L2=10,000mm or less)
		②-2 Specify length by "mm" (25mm or more, L1+L2=10,000mm or less)
		• Length is 25mm without specification.

③	Lead wire length	Specify length by "mm" (100mm or more)
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④	Lead protection	Code		Details		Operating temperature	
		EXA	Fiberglass with stainless steel	0 to 150°C	EXD	PVC (polyvinyl chloride)	-20 to +90°C
EXB	Fiberglass	0 to 150°C	EXE	Silicone rubber (Only for Type K)	-55 to +180°C		
EXC	PVC (polyvinyl chloride) with copper wire braided	-20 to +90°C	EXF	Fluorocarbon polymers (FEP) (Only for Type K)	0 to 200°C		

⑤	Lead wire termination	Code		Details	
		Y	Spade lugs for JIS standard "M3" size screw	TE *1	Thermocouple connector (CSP01+CLP-A+CSP02) (Only for Type K)
R	Ring lugs for JIS standard "M4" size screw	N	No terminal lugs *terminal soldered		
M	Metal connector (SCK-1602-P)				

• See Page 7
*1 : Other thermocouple connector : See Page 10

⑥	Thermocouple type	Code		Details	
		K	Type K (Chromel-Alumel)	N	Type N (Nicrosil-Nisil)

⑦	Measuring junction	Code		Details	
		G	Grounded	NG	Ungrounded

⑧	Mounting bracket	Code		Details	
		A	Fixed nipple (nut)	E	Compression fitting
B	Rotary nipple (nut)	N	No bracket		

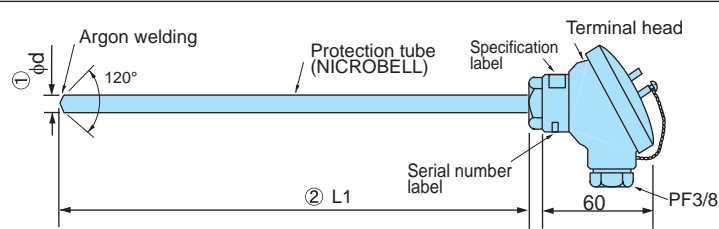
Specify size of mounting bracket when code is "A", "B", or "E". (See Page 6)

- Fixed nipple/Rotary nipple is Silver brazing. (Maximum temperature : 500°C.)
- Please contact distributors regarding other mounting bracket.

Specifications	Class : class 1	Sleeve Dimension ($\phi D1$)																							
	Element : Single element	<table border="1"> <thead> <tr> <th>Lead wire type</th> <th>Diameter of protection tube</th> <th>$\phi 1.0, \phi 1.6, \phi 2.3, \phi 3.2, \phi 4.8$</th> <th>$\phi 6.4, \phi 8.0$</th> </tr> </thead> <tbody> <tr> <td>EXA, EXB, EXC</td> <td></td> <td></td> <td></td> </tr> <tr> <td>EXD, EXF</td> <td></td> <td>$\phi 8 \times 40$</td> <td>$\phi 10 \times 40$</td> </tr> <tr> <td>EXE</td> <td></td> <td colspan="2">$\phi 10 \times 40$</td> </tr> </tbody> </table>		Lead wire type	Diameter of protection tube	$\phi 1.0, \phi 1.6, \phi 2.3, \phi 3.2, \phi 4.8$	$\phi 6.4, \phi 8.0$	EXA, EXB, EXC				EXD, EXF		$\phi 8 \times 40$	$\phi 10 \times 40$	EXE		$\phi 10 \times 40$							
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Reference	<ul style="list-style-type: none"> • Stainless flexible lead wire is available Model Code : T-101FS/T-111FS <p>For flexible lead wire, the dimension of the sleeve is $\phi 10 \times 40$mm. When $\phi 1.0$ to $\phi 4.8$ of the protection tube with EXB is selected as the extension lead wire, its dimension is $\phi 8 \times 40$mm.</p> <ul style="list-style-type: none"> • No waterproof 	<ul style="list-style-type: none"> • Spring loaded type is available (Please specify when you order) <p>Dimensions for the spring loaded sleeve is as follows.</p> <ul style="list-style-type: none"> • Protection tube $\phi 1.0$ to $\phi 4.8$ with extension lead wire EXA, EXB, EXC, EXD : $\phi 8 \times 40$mm • Except the above : $\phi 10 \times 40$mm
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NICROBELL Sheathed Thermocouples : T-30N/T-35N



No lead wire

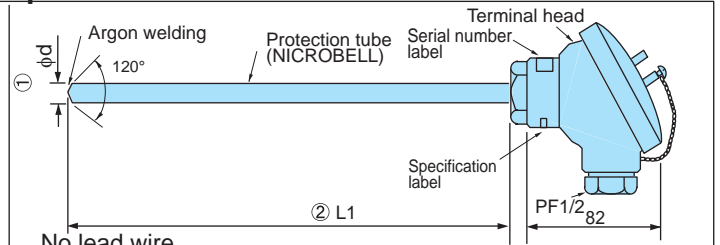
T - 30N - ϕd - L1 - □-□-□
 ① ② ⑥ ⑦ ⑧

With lead wire

T - 30N - ϕd - L1 - L - □□□-□-□-□-□
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧

- ① Diameter of protection tube
- ② Length of protection tube
- ③ Lead wire length
- ④ Lead protection
- ⑤ Lead wire termination
- ⑥ Thermocouple type
- ⑦ Sensing junction
- ⑧ Mounting bracket

Example :T-30N-4.8-100-K-G-N (No lead wire)
 :T-30N-4.8-100-2000-EXA-Y-K-G-N (With lead wire)



No lead wire

T - 35N - ϕd - L1 - □-□-□
 ① ② ⑥ ⑦ ⑧

With lead wire

T - 35N - ϕd - L1 - L - □□□-□-□-□-□
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧

- ① Diameter of protection tube
- ② Length of protection tube
- ③ Lead wire length
- ④ Lead protection
- ⑤ Lead wire termination
- ⑥ Thermocouple type
- ⑦ Sensing junction
- ⑧ Mounting bracket

Example :T-30N-4.8-100-K-G-N (No lead wire)
 :T-30N-4.8-100-2000-EXA-Y-K-G-N (With lead wire)

①	Diameter of protection tube	φ3.2, φ4.8, φ6.4, φ8.0	φ4.8, φ6.4, φ8.0																								
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