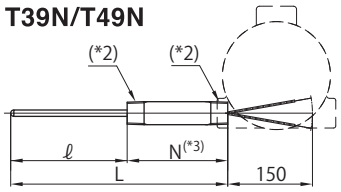
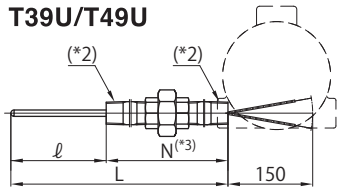
Series / Explosion/Flame Proof Nipple Type Temperature Sensor

Model code

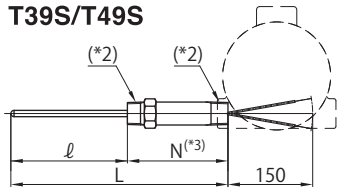
T39N/T49N



T39U/T49U



T39S/T49S



① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫

①	Basic model(*1)	T39N	With nipple	T49N	Spring loaded with nipple
		T39U	With nipple/union	T49U	Spring loaded with nipple/union
		T39S	With support pipe	T49S	Spring loaded with support pipe
②	Certification classification	-EX	IECEx certified (T49N, U, and S only)	-FM	FM certified
		-EC	ATEX (Baseefa) certified	-KS	KOSHA certified
		-NP	NEPSI certified		
		-TR	TR CU certified		
		-PS	PESO certified		
		-IN	INMETRO certified product (Brazil)		
③	Nipple length(*3)	-1	N=75 (39N, 49N)		
		-2	N=160 (39U, 49U)		
④	Length (Unit: mm)	L			
⑤	Sheath outer diameter	B,CN	φ1.6, φ2.0	F,FN	φ6.4, φ6.0
		D,DN	φ3.2, φ3.0	G	φ8.0
		E,EN	φ4.8, φ4.5		
⑥	Number of element wires	2	Single		
		4	Double		
⑦	Type	N	Ni-Cr-Si/Ni-Si	J	Fe/Cu-Ni
		K	Ni-Cr/Ni-Al	T	Cu/Cu-Ni
		E	Ni-Cr/Cu-Ni		
⑧	Measuring junction	5	(#5) Ungrounded/Separated		
		8	G (#8) Grounded		
		9	U (#9) Ungrounded		
⑨	Sheath material	C	SUS316		
		D	SUS310S		
		B	NCF600eq. (Inconel 600)		
⑩	Class	01	1 (Former JIS class 0.4)	05	ASTM SP.
		02	2 (Former JIS class 0.75)	06	1 (IEC)
		03	3 (Former JIS class 1.5)	07	2 (IEC)
		04	ASTM STD.	08	3 (IEC)
⑪	Optional parts		See "Standard Parts" section		
⑫	Immersion length (Unit: mm)	-ℓ			

(*1): The type name is "FPN" on certificates for IECEx, EC, NP, TR, PS, IN, and KS certified products, regardless of the construction.
(*2): NPT 1/2, BSPT 1/2, BSPP 1/2, M20x1.5... (EX) (EC) (NP) (TP) (TR) (IN) (KS); NPT 1/2, R1/2... (FM)
(*3): Standard dimensions. Contact us if other dimensions are required. Pay attention to the ambient temperature in the place where the terminal box is installed.
EX, EC, NP, TR, PS, IN, KS: -50 to 60°C (T6), -50 to 75°C (T5)
FM: -50 to 75°C
For IECEx, an application procedure such as certification exemption confirmation may be required due to the requirements of the accepting country.

Please specify the screw size of the temperature transmitter or terminal box to be combined.
Basically, the country (agency) that has certified the sensor must be the same as the country (agency) that has certified the temperature transmitter or terminal box in order to be combined with the sensor. Make sure to check manufacturer's latest information on acquisition. In addition, they cannot be used in dangerous places where Japanese explosion proof certification is required.
Note: Only for China (NEPSI), the screw sizes of G1/2 and G3/4 cannot be used to combine with the TM or terminal box.