

- Thermocouple type J, according to standard EN60584/IEC584 class 1
- Robust design, extremely short response time
- High-tech sensor with mineral insulated thermocouple and operating temperatures up to +600°C
- Small transition fitting made of stainless steel tube
- Max. operating temperature for transition fitting up to +482°F (+250°C)
- Twisted leads for noise reduction, glass fiber over braided and Kapton® protected
- Max. operating temperature for measuring cable up to +662°F (+350°C)
- Reinforced strain relief up to approx. 30 lbs (13 kg)



Transition fitting:
Ø0.118 x 0.591"
(Ø3 x 15 mm)

Caution: Inner bending radius not smaller than 2 x thermocouple diameter!

SW153X - **A** - **B** - **C** - **D** - **E** - **F** - **G** - **H** - **I**

	Description	Variation Values	Detail Information	Remarks
A	Measuring tip diameter	1.0 1.5	0.0394" (1.0 mm) 0.0591" (1.5 mm)	other diameters optional upon request
B	Measuring tip length	110 150 250	4.33" (110 mm) 5.91" (150 mm) 9.84" (250 mm)	other lengths optional upon request
C	Number of measuring points (mp's), type of thermocouple and junction type	1JV 1JI	Single mp, type J, grounded Single mp, type J, ungrounded	available upon request standard
D	Tip shape	S	Round end	
E	Material of sensor housing	V2	Stainless steel grade ASTM 304	
F	Standard lengths of measuring cable	1.22 2.44 3.66	48" (1.22 m) 96" (2.44 m) 144" (3.66 m)	other lengths optional upon request
G	Measuring cable type	GKLA	Glass fiber/ Kapton®/ ANSI	ANSI colour code as standard, DIN or IEC upon request
H	Connectivity situation	G K L	Cut Open leads 2" #6 spade lugs	optional, as shown above standard optional
I	Max. operating temperature	600	+1112°F (+600°C)	on measuring tip

Standard specification sample:

SW153X-1.0-150-1JI-S-V2-2.44-GKLA-K-600

High precision specification sample:

SW153XP-1.0-150-1JI-S-V2-2.44-GKLA-K-600

Other configurations upon request, such as:

- Thermocouple Type K or N
- Thermocouple diameter 0.0197" (0.5 mm)
- with sawi high precision thermocouple (PMTE)
- Mineral insulated RTD Pt100 (tip diameter of 1.2 mm/ 0.047")
- with polarized connectors

Please contact us to learn more about our technological capabilities and to get a data sheet with detailed information of product above.

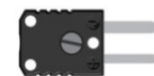
Connectivity situation

H

Polarized connectors (optional)



L with #6 spade lugs (optional)



TKSM
mini size



K with open leads 2"



TKSS
standard size