

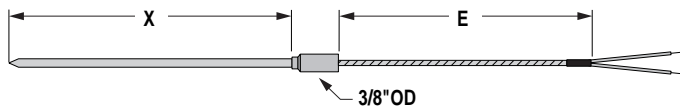
# SPECIAL PURPOSE

# PENETRATION STYLE THERMOCOUPLE SENSORS

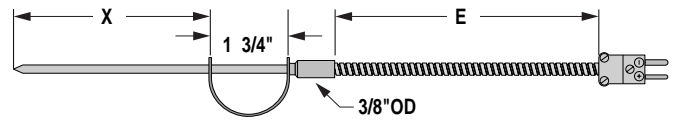
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The insertion type of thermocouple probes shown below are used to monitor internal temperatures of meat, fish, poultry, dough, and other food products, both fresh and slightly frozen varieties. Other uses include penetration of soft process materials such as rubber and plastic compounds. The materials of construction are all FDA compliant for use in sanitary applications. The sheaths are made of full hard drawn 304SS hypodermic tubing with a sharp needle point insertion tip. Several varieties of handles, leadwire, and termination configurations are available. Probes are supplied with grounded hot junctions unless otherwise specified\*.

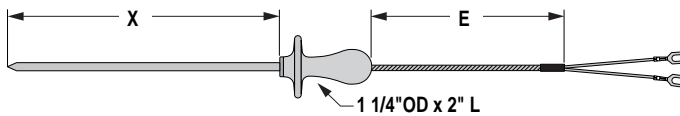
**Figure #1**  
Transition Fitting Without Handle



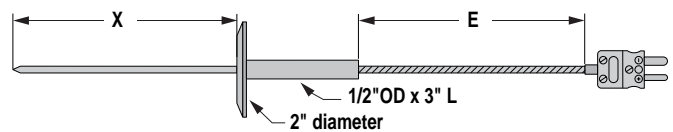
**Figure #3**  
Sabre Handle



**Figure #2**  
Molded Grey Valox Handle



**Figure #4**  
Heavy Duty Handle



Maximum temperature limit: 400°F (204°C)

EXAMPLE  
ORDER  
NUMBER:

**1** **JMH2G** - **2** **06** - **3** **24120** - **4** **4**

THERMOCOUPLE TYPE			
ORDER CODE	T/C TYPE	NOM. SHEATH DIAMETER	
SINGLE	DUPLEX		
<b>FIG. 1 - TRANS. FITTING LESS HANDLE</b>			
JLH2G		J	.134" OD
JLH3G	JJLH3G	J	.180" OD
TLH2G		T	.134" OD
TLH3G	TTLH3G	T	.180" OD
KLH2G		K	.134" OD
KLH3G	KKLH3G	K	.180" OD
<b>FIG. 2 - MOLDED VALOX HANDLE</b>			
JMH2G		J	.134" OD
JMH3G	JJM3G	J	.180" OD
TMH2G		T	.134" OD
TMH3G	TTMH3G	T	.180" OD
KMH2G		K	.134" OD
KMH3G	KKMH3G	K	.180" OD
<b>FIG. 3 - SABRE HANDLE</b>			
JSH2G		J	.134" OD
JSH3G	JJSH3G	J	.180" OD
TSH2G		T	.134" OD
TSH3G	TTSH3G	T	.180" OD
KSH2G		K	.134" OD
KSH3G	KKSH3G	K	.180" OD
<b>FIG. 4 - HEAVY DUTY HANDLE</b>			
JHD2G		J	.134" OD
JHD3G	JJHD3G	J	.180" OD
THD2G		T	.134" OD
THD3G	TTHD3G	T	.180" OD
KHD2G		K	.134" OD
KHD3G	KKHD3G	K	.180" OD

\* For ungrounded hot junctions add suffix letter "U" to order code. Example: JMH2U -

TERMINATIONS	
ORDER CODE	DESCRIPTION
<b>2</b>	Leads stripped 2" tinned 1/2"
<b>3</b>	Leads stripped 2" w/spade lugs
<b>4</b>	Standard male T/C plug (350°F max)
<b>4RB</b>	Standard male T/C plug w/rubber boot (singles only)
<b>6</b>	Miniature male T/C plug (350°F max)

STRANDED CONDUCTOR EXTENSION LEADWIRE (NOTE 1)								
ORDER CODE	T/C AVAIL	WIRE GA.	LEADWIRE EACH COND.	INSULATION OVERALL JACKET	ARMOR	INSULATION CODE	TEMP. LIMIT (° F)	
22 ___	J,K,T	20	N/A	PVC	Cotton/PVC	None	503	221
24 ___	J,K,T	20	N/A	Teflon (FEP)	Teflon (FEP)	None	507	400
24A ___	J,K,T	20	24	Teflon (FEP)	Teflon (FEP)	SS Flex	508 (T Duplex)	500 400
24T ___	J,K,T	20	24	Teflon (FEP)	Teflon (FEP)	Extr. Teflon over SS Flex	508 (T Duplex)	500 400
24P ___	J,K,T	20	24	Teflon (FEP)	Teflon (FEP)	Extr. PVC over SS Flex	508 (T Duplex)	221 221
28 ___	J,T	24	N/A	Teflon (TFE)	TEF(FEP)/SS OB,TEF (FEP)	None	1395	400
26 ___								

\* Insert 3 digit "E" dimension in inches. Note: 1 All leadwire is stranded conductors except for type "T" leadwire with order code designations 24A, 24T, and 24P, which is solid conductor.

SHEATH "X" DIMENSION
Specify "X" Length in Inches Using (2) Digits
NOTE: 12" max. standard construction length