

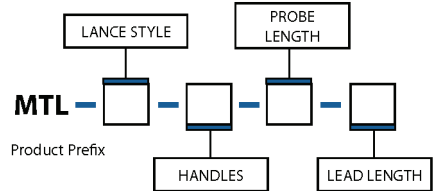
# Non-Ferrous Thermocouple Products



**CLEVELAND ELECTRIC LABORATORIES**  
Thermocouples & Sensing Solutions since 1920

## Immersion Tips and Lance (MTL)

- Immersion tips for intermittent temperature sensing below 2300°F
- Used in molten brass, copper, aluminum, lead, other non-ferrous metals
- 446SS sheath, 1/2" OD protects a 16 gauge, ANSI Type K thermocouple
- Tip lengths from 8" to 30"



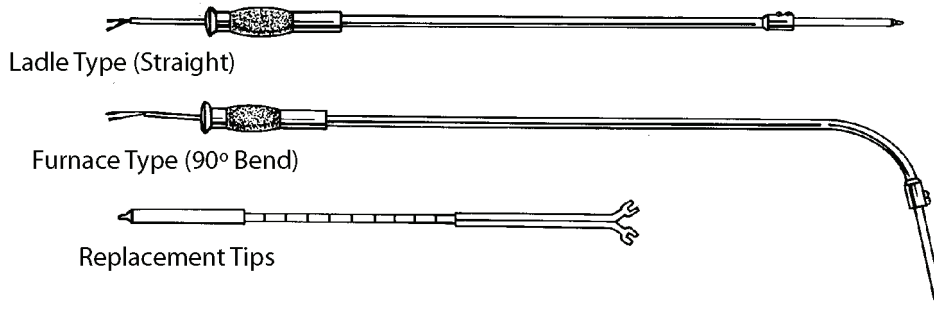
To order, use Specification Codes to assemble a complete Ordering Number.

Example Ordering Number

MTL — 3 — 1 — 2 — 2

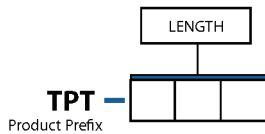
Immersion Tip Thermocouple with 12" tip, 43" straight lance, and plastic grip.

SPECIFICATIONS/CODES			
Lance Style	Handles	Probe Length	Lead Length
0 - None	0 - None	0 - None	0 - None
1 - 31" Straight Lance	1 - Plastic Grip	1 - 8"	1 - 31"
2 - 43" 90° Bend Lance	2 - Aluminum Grip	2 - 12"	2 - 43"
3 - 43" Straight Lance		3 - 15"	
		4 - 18"	
		5 - 20"	
		6 - 24"	
		7 - 30"	



## Tercod Pyrometer Tubes (TPT)

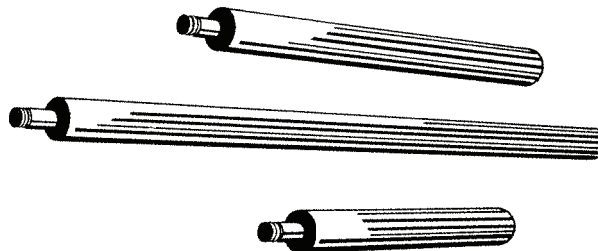
- For monitoring, melting, holding high temperatures of aluminum, other non-ferrous metals up to 2300°F
- Carbon bonded silicon carbide, isostatically formed around threaded pipe for attachment ease
- Available in 1/2", 3/4" NPT pipe, lengths 12" to 48, 6" increments



Example Ordering Number

TPT — 2 3 0

This is Tercod Protection Tube with 1/2" NPT pipe, 30" long.



SPECIFICATIONS/CODES	
212	1/2" NPT Pipe, 12" Long
218	1/2" NPT Pipe, 18" Long
224	1/2" NPT Pipe, 24" Long
230	1/2" NPT Pipe, 30" Long
236	1/2" NPT Pipe, 36" Long
248	1/2" NPT Pipe, 48" Long
312	3/4" NPT Pipe, 12" Long
318	3/4" NPT Pipe, 18" Long
324	3/4" NPT Pipe, 24" Long
330	3/4" NPT Pipe, 30" Long
336	3/4" NPT Pipe, 36" Long
348	3/4" NPT Pipe, 48" Long