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## MEASURING JUNCTION TYPICAL RESPONSE TIME

<b>SHEATH O.D.</b>	<b>MEASURING JUNCTION</b>	<b>*RESPONSE</b>
.040 (1/25")	Grounded	.07
	Ungrounded / Isolated	.11
.063 (1/16")	Grounded	.09
	Ungrounded / Isolated	.28
.125 (1/8")	Grounded	.34
	Ungrounded / Isolated	1.6
.188 (3/16")	Grounded	.7
	Ungrounded / Isolated	2.6
.250 (1/4")	Grounded	1.7
	Ungrounded / Isolated	4.5
	Exposed	.09

\*Response time in seconds. The above table is the average of several thermocouples tested in each category. Tests were performed during a step change from room temperature to boiling water. The above indicates time required to show 63.2% of a temperature change. No process we know of matches these conditions. Please use this data as a means of comparing sheath size and junction only. Actual response time in your process can be simulated by our laboratory. Please call us for help.