

## Temperature sensor guide

	Type	Accuraccy	Linearity	Temp range	Response	Advantages	Disadvantages
<b>RTD</b>	Pt100	0.2 deg C	good	-50 to 260 deg C	0.39R / deg C	High accuraccy	Low resistance
	Pt1000	0.2 deg C	good	-50 to 260 deg C	3.9R / deg C	High accuraccy	none
<b>IC sensors</b>	LM35	1 deg C	good	-40 to 110 deg C	10mv / C	Stable	Low accuraccy
	LM 60	3 deg C	good	-25 to 125 deg C	6.25mv / C	Linear	Low accuraccy
	LM 61	3 deg C	good	-25 to 85 deg C	10mv / C	Linear	Low accuraccy
	AD590	2.5 deg C	good	-55 to 150 deg C	1uA / K 10mv /K 10K	Stable	Low accuraccy
	LM335	2 deg C	good	-40 to 100 deg C	10mv / K	Linear	Low accuraccy
<b>Thermistor</b>	Beta 0.3K1A1	0.3 deg C	non linear	-80 to 125 deg C	10K	High response	Non-linear