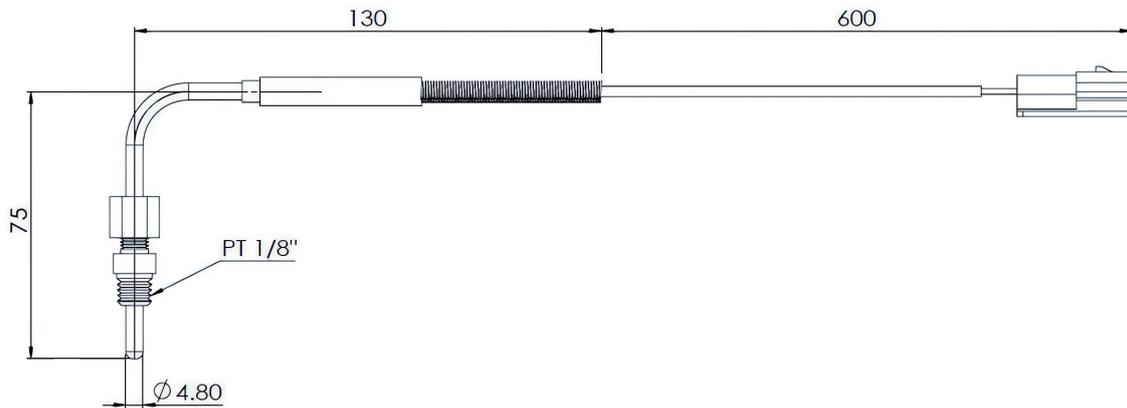


EXHAUST TEMPERATURE SENSOR

Ver.0.0.1

► SPECIFICATION



- Module Name: Shadow EXT Temp Sensor 1/8 PT
- Sensor Type: K-Type Thermocouple
- Sensor Body Material: SS310
- Hex Size: 12.0mm
- Sensor Connector Material: PBT
- Thread Size: PT 1/8"
- Overall Weight: 54.5g

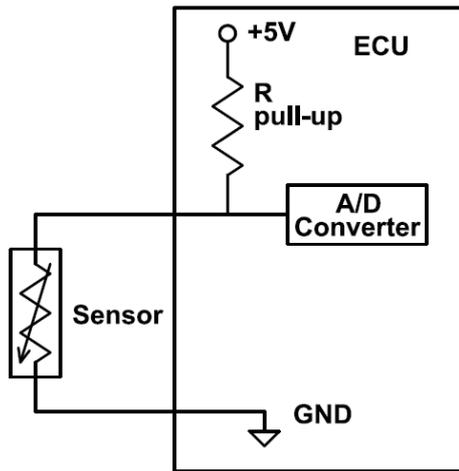
► FEATURES

- Thermistor technology
- Easy to assemble
- High accuracy
- Fully calibrated and compensated
- High stability
- Designed for manufacturability
- Fast thermal response

► OPERATING CHARACTERISTICS

Characteristic	Min	Typ	Max	Unit
Operating temperature range	0	--	1050	°C

Circuit Schematic



Output Correspondence Table

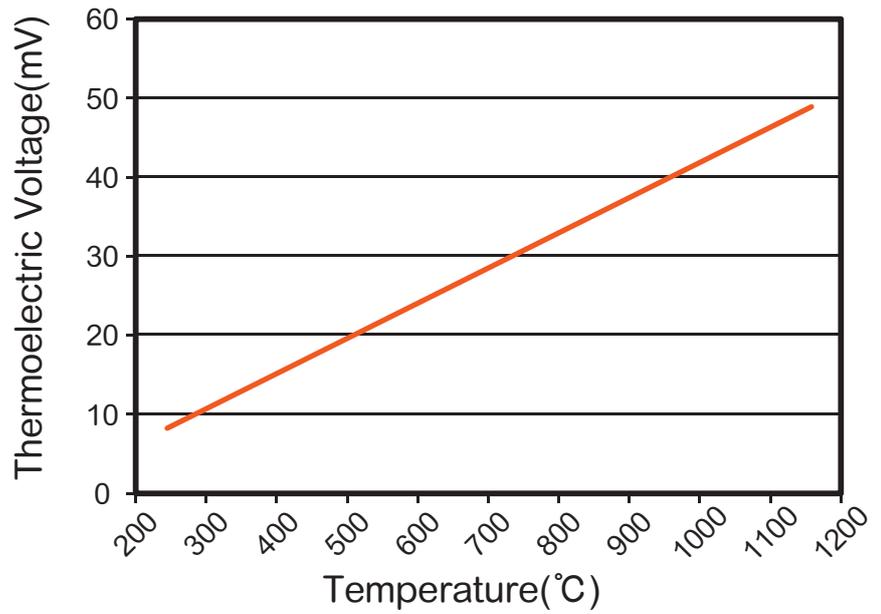


Table for K-Type Thermocouple (@Junction 0 °C)

Thermoelectric Voltage (mV)

°C	0	1	2	3	4	5	6	7	8	9	10
200	8.318	8.178	8.218	8.258	8.298	8.338	8.378	8.418	8.458	8.499	8.539
300	12.207	12.249	12.290	12.332	12.373	12.415	12.456	12.498	12.539	12.581	12.623
400	16.395	16.438	16.480	16.522	16.564	16.607	16.649	16.691	16.733	16.776	16.818
500	20.640	20.683	20.725	20.768	20.811	20.853	20.896	20.938	20.981	21.024	21.068
600	24.902	24.944	24.987	25.029	25.072	25.114	25.157	25.199	25.242	25.284	25.327
700	29.128	29.170	29.212	29.254	29.296	29.338	29.380	29.422	29.464	29.505	29.547
800	33.277	33.318	33.359	33.400	33.441	33.482	33.523	33.564	33.604	33.645	33.686
900	37.325	37.365	37.405	37.445	37.484	37.524	37.564	37.604	37.644	37.684	37.724
1000	41.269	41.308	41.347	41.385	41.424	41.463	41.502	41.541	41.580	41.619	41.657
1100	45.119	45.157	45.194	45.232	45.27	45.308	45.346	45.383	45.421	45.459	45.497
1200	48.838	48.875	48.911	48.948	48.984	49.201	49.057	49.093	49.13	49.166	49.202

When the product needs to be repaired, please collect the product body and accessories and return them to the original place of purchase.



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