

Thermistor Sensor

Refrigeration Pipe Sensor

The EVO/SNS-AA refrigeration pipe sensor is a 1KΩ NTC thermistor probe suitable for room temperature and cold locations with condensation.

The 6' low smoke zero halogen jacketed sensor cable is suitable for industrial, commercial, transportation and similar confined-space applications requiring flame retardant low-smoke cables.

The sensor is connected at one end while the other end is trimmed during installation to fit the application.

The sensor end is rubber coated, then fitted with a length of flame retardant tubing to protect the rubber from low temperature chipping.

Mounting

Tape the sensor on top of the pipe. Use insulating tape for best performance, especially where the sensor is surrounded by moving air.

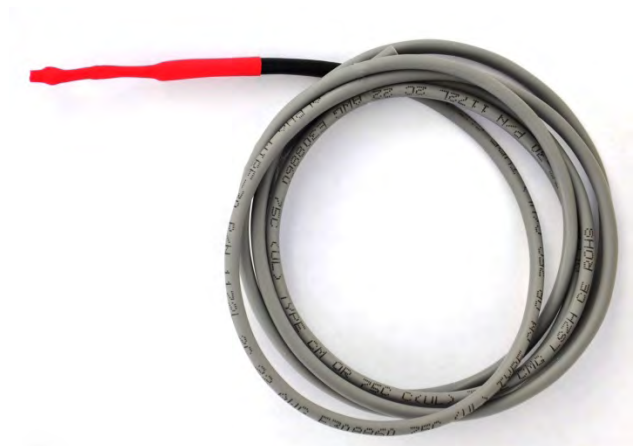


Make sure the tape is designed for the installation and holding temperature for the application. Cold installations may require a tie wrap around the tape end to allow the tape time to adhere.

Ordering

EVO/SNS-AA

Please include this model number in your MIS description.



Specifications

Sensing Element

Manufacturer Vishay BC
PN. [NTCLE100E3102JB0](#)

Type NTC (Negative Temperature Coefficient)

Resistance 1KΩ at 77°F/25°C

Curve B_{25/85}=3528

Cable

Manufacturer Alpha Wire
PN. [1172L](#)

Conductors AWG 22 stranded twisted pair tinned copper

Insulation LSZH 300V insulation

Temperature -4°F/-20°C to +167°F/75°C

Approvals UL type CM
UL VW-1 Flame test
CSA Type CMG FT4

Temperature [°F]	Temperature [°C]	Resistance [Ohm]	Temperature [°F]	Temperature [°C]	Resistance [Ohm]
-20.0	-28.9	12232	20.0	-6.7	3892
-19.0	-28.3	11860	21.0	-6.1	3790
-18.0	-27.8	11500	22.0	-5.6	3692
-17.0	-27.2	11153	23.0	-5.0	3596
-16.0	-26.7	10817	24.0	-4.4	3504
-15.0	-26.1	10493	25.0	-3.9	3414
-14.0	-25.6	10180	26.0	-3.3	3327
-13.0	-25.0	9877	27.0	-2.8	3242
-12.0	-24.4	9585	28.0	-2.2	3160
-11.0	-23.9	9302	29.0	-1.7	3080
-10.0	-23.3	9029	30.0	-1.1	3002
-9.0	-22.8	8765	31.0	-0.6	2927
-8.0	-22.2	8509	32.0	0.0	2854
-7.0	-21.7	8262	33.0	0.6	2782
-6.0	-21.1	8023	34.0	1.1	2713
-5.0	-20.6	7792	35.0	1.7	2646
-4.0	-20.0	7569	36.0	2.2	2581
-3.0	-19.4	7353	37.0	2.8	2518
-2.0	-18.9	7143	38.0	3.3	2456
-1.0	-18.3	6941	39.0	3.9	2396
0.0	-17.8	6745	40.0	4.4	2338
1.0	-17.2	6555	41.0	5.0	2282
2.0	-16.7	6371	42.0	5.6	2227
3.0	-16.1	6194	43.0	6.1	2173
4.0	-15.6	6021	44.0	6.7	2121
5.0	-15.0	5855	45.0	7.2	2071
6.0	-14.4	5693	46.0	7.8	2021
7.0	-13.9	5537	47.0	8.3	1974
8.0	-13.3	5385	48.0	8.9	1927
9.0	-12.8	5238	49.0	9.4	1882
10.0	-12.2	5096	50.0	10.0	1838
11.0	-11.7	4958	51.0	10.6	1795
12.0	-11.1	4824	52.0	11.1	1753
13.0	-10.6	4695	53.0	11.7	1713
14.0	-10.0	4569	54.0	12.2	1673
15.0	-9.4	4447	55.0	12.8	1635
16.0	-8.9	4329	56.0	13.3	1597
17.0	-8.3	4215	57.0	13.9	1561
18.0	-7.8	4104	58.0	14.4	1525
19.0	-7.2	3996	59.0	15.0	1491
			60.0	15.6	1457