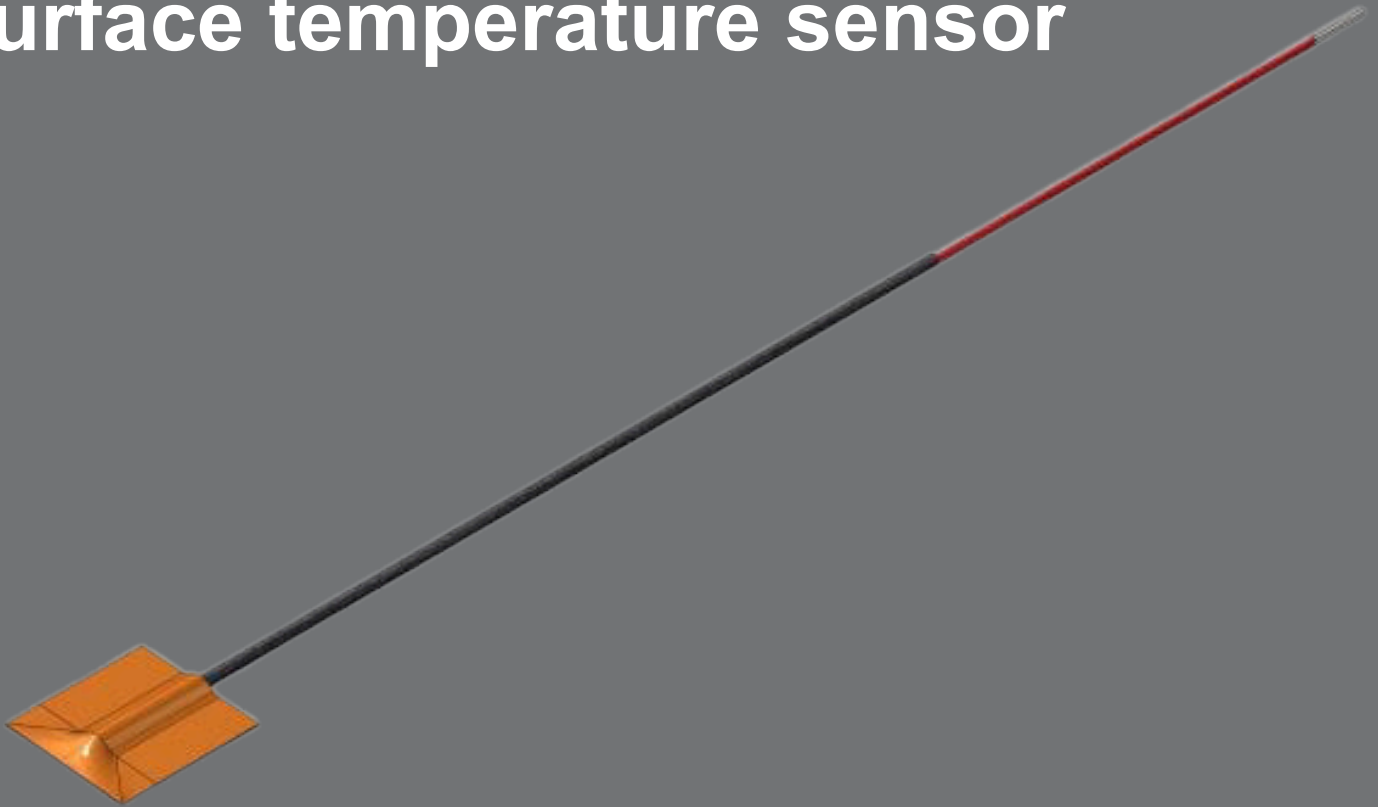


# Model 3304A flexible stick-on surface temperature sensor



## Key features

- Self-adhesive surface pad
- Quick and simple installation
- Flexible, conforms to curved surfaces
- Available in RTD or thermocouple
- Teflon® insulated leadwire
- Temperatures up to 500°F
- Custom designs available
- Other surface and embedded sensors available

## Overview

Curtiss-Wright manufactures a flexible surface mount temperature sensor suitable for temperatures up to 500°F. The self-adhesive sensor pad makes installation simple.

Excellent surface temperature measurement is achieved using this sensor design. The model 3304A is available in both RTDs or thermocouples to suit your application.

Curtiss-Wright specializes in custom temperature sensing solutions and is ready to work with you to help design the best solution for your application specifications.

# Product features

Flexible stick-on surface temperature sensor features	
Model	Description
3304A	1" x 1" flexible surface stick-on temperature sensor
Code	RTD/thermocouple type
01B	100 ohm, alpha = 0.0385, RTD
JU	Type J thermocouple, ungrounded junction
KU	Type K thermocouple, ungrounded junction
OTHER	Specify other type of thermocouple or RTD
Code	Number of leadwires
2	2-wire RTD (Standard for thermocouple)
3	3-wire RTD
Code	Leadwire length
Z024	Standard leadwire length, 24"
ZXXX	Leadwire length in inches



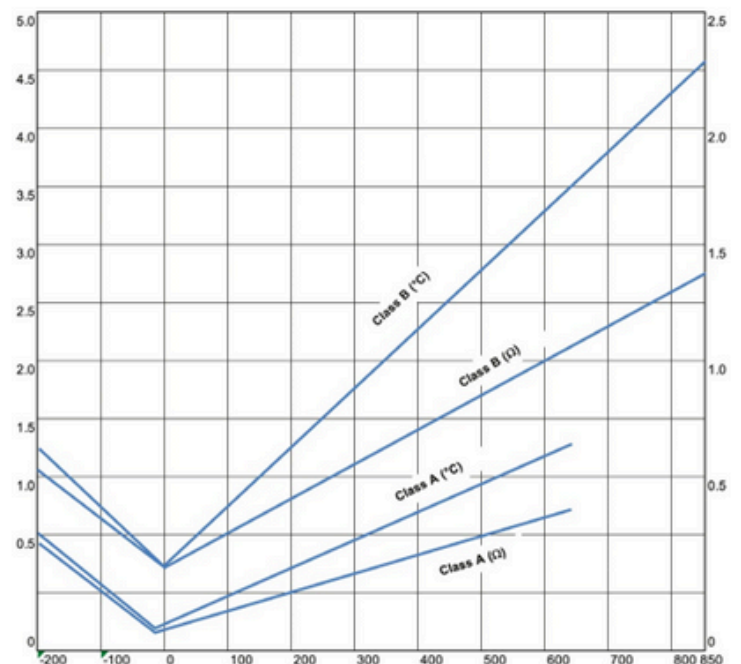
## Performance specifications

Table 29 100 Ω Platinum RTD - 0.003 85 coefficient temperature in ° C

* C	0	10	* C	0	10	* C	0	10	* C	0	10
-200	18.52		60	123.24	127.08	330	222.68	226.21	600	313.71	316.92
-190	22.83	18.52	70	127.08	130.90	340	226.21	229.72	610	316.92	320.12
-180	27.10	22.83	80	130.90	134.71	350	229.72	233.21	620	320.12	323.30
-170	31.34	27.10	90	134.71	138.51	360	233.21	236.70	630	323.30	326.48
-160	35.54	31.34	100	138.51	142.29	370	236.70	240.18	640	326.48	329.64
-150	39.72	35.54	110	142.29	146.07	380	240.18	243.64	650	329.64	332.79
-140	43.88	39.72	120	146.07	149.83	390	243.64	247.09	660	332.79	335.93
-130	48.00	43.88	130	149.83	153.58	400	247.09	250.53	670	335.93	339.06
-120	52.11	48.00	140	153.58	157.33	410	250.53	253.96	680	339.06	342.18
-110	56.19	52.11	150	157.33	161.05	420	253.96	257.38	690	342.18	345.28
-100	60.26	56.19	160	161.05	164.77	430	257.38	260.78	700	345.28	348.38
-90	64.30	60.26	170	164.77	168.48	440	260.78	264.18	710	348.38	351.46
-80	68.33	64.30	180	168.48	172.17	450	264.18	267.56	720	351.46	354.53
-70	72.33	68.33	190	172.17	175.86	460	267.56	270.93	730	354.53	357.59
-60	76.33	72.33	200	175.86	179.53	470	270.93	274.29	740	357.59	360.64
-50	80.31	76.33	210	179.53	183.19	480	274.29	277.64	750	360.64	363.67
-40	84.27	80.31	220	183.19	186.84	490	277.64	280.98	760	363.67	366.70
-30	88.22	84.27	230	186.84	190.47	500	280.98	284.30	770	366.70	369.71
-20	92.16	88.22	240	190.47	194.10	510	284.30	287.62	780	369.71	372.71
-10	96.09	92.16	250	194.10	197.71	520	287.62	290.92	790	372.71	375.70
0	100.00	96.09	260	197.71	201.31	530	290.92	294.21	800	375.70	378.68
0	100.00	103.90	270	201.31	204.90	540	294.21	297.49	810	378.68	381.65
10	103.9	107.79	280	204.90	208.48	550	297.49	300.75	820	381.65	384.6
20	107.79	111.67	290	208.48	212.05	560	300.75	304.01	830	384.6	387.55
30	111.67	115.54	300	212.05	215.61	570	304.01	307.25	840	387.55	390.48
40	115.54	119.40	310	215.61	219.15	580	307.25	310.49	850	390.48	
50	119.40	123.24	320	219.15	222.68	590	310.49	313.71			

Tolerances for 100 Ω thermometers

Temperature (° C)	Tolerance			
	Class A		Class B	
	(± ° C)	(± W)	(± ° C)	(± W)
-200	0.55	0.25	1.30	0.56
-100	0.35	0.14	0.80	0.32
0	0.15	0.06	0.30	0.12
100	0.35	0.13	0.80	0.30
200	0.55	0.20	1.30	0.48
300	0.75	0.27	1.80	0.64
400	0.95	0.33	2.30	0.79
500	1.15	0.38	2.80	0.93
600	1.35	0.43	3.30	1.06
650	1.45	0.46	3.60	1.13
700	-	-	3.80	1.17
800	-	-	4.30	1.28
850	-	-	4.60	1.34



# Ordering information

Model	Description
3304A	1" x 1" Flexible Surface Stick-on Temperature Sensor

Code	RTD / Thermocouple Type
01B	100 ohm, alpha = 0.00385, RTD
JU	Type J thermocouple, ungrounded junction
KU	Type K thermocouple, ungrounded junction
Other	Specify other type of thermocouple or RTD

Code	Number of Leadwires
2	2-wire RTD (Standard for thermocouple)
3	3-wire RTD

Code	Leadwire Length
Z024	Standard leadwire length, 24"
Zxxx	Leadwire length in inches

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## About Curtiss-Wright

Curtiss-Wright Round Rock and Wimborne have worked with nuclear and industrial customers for over 60 years. We support customers across the world from facilities located in the US and UK. Our solutions are embedded in strategic national infrastructure and our people are active partners in customer programs that are focused on delivering advanced future nuclear and industrial capabilities.

Curtiss-Wright Corporation (NYSE: CW) is a global integrated business that provides highly engineered products, solutions and services mainly to Aerospace & Defense markets, as well as critical technologies in demanding commercial power, process and industrial markets. We leverage a workforce of approximately 8,600 highly skilled employees who develop, design and build what we believe are the best engineered solutions to the markets we serve. Building on the heritage of Glenn Curtiss and the Wright brothers, Curtiss-Wright has a long tradition of providing innovative solutions through trusted customer relationships.