



Rev. 10/23/15

# T1K Transmitter Temperature Ranges

## Application Note

BAPI has available and verified the following temperature ranges for the T1K Temperature Transmitter. Ranges are sorted by span, low temperature first. Fahrenheit ranges are on the left with corresponding Celsius ranges on the right. Any range not on this list is a custom range. For custom ranges, please contact your Key Account Specialist.

Temperature Range °F			
Span	Low	High	Series
45	45	90	C
45	50	95	C
46	35	81	C
48	32	80	C
48	72	120	C
50	0	50	C
50	20	70	C
50	30	80	C
50	40	90	C
50	45	95	C
50	46	96	C
50	50	100	C
51	30	81	C
51	45	96	C
52	44	96	C
54	32	86	C
54	50	104	C
55	40	95	C
58	32	90	C
60	-30	30	C
60	-10	50	C
60	0	60	C
60	20	80	C
60	30	90	C
60	40	100	C
60	50	110	C
63	-31	32	C
63	-22	41	C
63	32	95	D
64	32	96	D
65	55	120	D
67	33	100	D
68	32	100	D
70	-20	50	D
70	0	70	D
70	20	90	D
70	30	100	D
70	50	120	D
70	60	130	D
72	-40	32	D
72	14	86	D
75	25	100	D
76	5	81	D
78	32	110	D
80	-40	40	D
80	-20	60	D
80	20	100	D
80	40	120	D
80	50	130	D
81	14	95	D
81	41	122	D
82	40	122	D
83	39	122	D
88	32	120	D
89	32	121	D
90	-58	32	D
90	-20	70	D
90	-4	86	D
90	0	90	D
90	10	100	D
90	14	104	D
90	20	110	D
90	23	113	D
90	30	120	D
90	32	122	D
90	50	140	D
92	32	124	D
98	2	100	F
98	32	130	F
99	1	100	F

Temperature Range °C			
Span	Low	High	Series
25	7	32	C
25	10	35	C
26	2	27	C
27	0	27	C
27	22	49	C
28	-18	10	C
28	-7	21	C
28	-1	27	C
28	4	32	C
28	7	35	C
28	8	36	C
28	10	38	C
28	-1	27	C
28	7	36	C
29	7	36	C
30	0	30	C
30	10	40	C
31	4	35	C
32	0	32	C
33	-34	-1	C
33	-23	10	C
33	-18	16	C
33	-7	27	C
33	-1	32	C
33	4	38	C
33	10	43	C
35	-35	0	C
35	-30	5	C
35	0	35	D
36	0	36	D
36	13	49	D
37	1	38	D
38	0	38	D
39	-29	10	D
39	-18	21	D
39	-7	32	D
39	-1	38	D
39	10	49	D
39	16	54	D
40	-40	0	D
40	-10	30	D
42	-4	38	D
42	-15	27	D
43	0	43	D
44	-40	4	D
44	-29	16	D
44	-7	38	D
44	4	49	D
44	10	54	D
45	-10	35	D
45	5	50	D
46	4	50	D
46	4	50	D
49	0	49	D
49	0	49	D
50	-50	0	D
50	-29	21	D
50	-20	30	D
50	-18	32	D
50	-12	38	D
50	-10	40	D
50	-7	43	D
50	-5	45	D
50	-1	49	D
50	0	50	D
50	10	60	D
51	0	51	D
54	-17	38	F
54	0	54	F
55	-17	38	F

Temperature Range °F			
Span	Low	High	Series
99	19	118	F
100	-50	50	F
100	-25	75	F
100	-20	80	F
100	0	100	F
100	20	120	F
100	30	130	F
100	32	132	F
100	34	134	F
100	40	140	F
100	50	150	F
100	52	152	F
100	80	180	F
100	100	200	F
100	120	220	F
101	32	133	F
102	0	102	F
102	32	134	F
103	30	133	F
104	32	136	F
105	45	150	F
108	-58	50	F
108	-4	104	F
108	23	131	F
108	32	140	F
108	50	158	F
110	-40	70	F
110	-30	80	F
110	0	110	F
110	10	120	F
110	20	130	F
110	30	140	F
110	100	210	F
111	-30	81	F
112	32	144	F
113	17	130	F
114	20	134	F
117	23	140	F
120	-60	60	F
120	-20	100	F
120	-10	110	F
120	0	120	F
120	20	140	F
120	30	150	F
122	-32	90	F
125	0	125	F
126	32	158	F
130	0	130	F
130	20	150	F
140	-20	120	J
140	0	140	J
140	40	180	J
144	68	212	J
148	32	180	J
150	-30	120	J
150	-25	125	J
150	0	150	J
150	20	170	J
150	30	180	J
150	40	190	J
150	50	200	J
150	60	210	J
150	70	220	J
150	100	250	J
150	125	275	J
152	-32	120	J
152	60	212	J
153	32	185	J
153	80	233	J
154	-32	122	J

Temperature Range °C			
Span	Low	High	Series
55	-7	48	F
56	-46	10	F
56	-32	24	F
56	-29	27	F
56	-18	38	F
56	-7	49	F
56	-1	54	F
56	0	56	F
56	1	57	F
56	4	60	F
56	10	66	F
56	11	67	F
56	27	82	F
56	38	93	F
56	49	104	F
56	0	56	F
57	-18	39	F
57	0	57	F
57	-1	56	F
58	0	58	F
58	7	66	F
60	-50	10	F
60	-20	40	F
60	-5	55	F
60	0	60	F
60	10	70	F
61	-40	21	F
61	-34	27	F
61	-18	43	F
61	-12	49	F
61	-7	54	F
61	-1	60	F
61	38	99	F
62	-34	27	F
62	0	62	F
63	-8	54	F
63	-7	57	F
65	-5	60	F
67	-51	16	F
67	-29	38	F
67	-23	43	F
67	-18	49	F
67	-7	60	F
67	-1	66	F
68	-36	32	F
69	-18	52	F
70	0	70	F
72	-18	54	F
72	-7	66	F
78	-29	49	J
78	-18	60	J
78	4	82	J
80	20	100	J
82	0	82	J
83	-34	49	J
83	-32	52	J
83	-18	66	J
83	-7	77	J
83	-1	82	J
83	4	88	J
83	10	93	J
83	16	99	J
83	21	104	J
83	38	121	J
83	52	135	J
84	-36	49	J
84	16	100	J
85	0	85	J
85	27	112	J
86	-36	50	J



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Temperature Range °F				Temperature Range °C			
Span	Low	High	Series	Span	Low	High	Series
155	-40	115	J	86	-40	46	J
160	-40	120	J	89	-40	49	J
160	-30	130	J	89	-34	54	J
160	-20	140	J	89	-29	60	J
160	0	160	J	89	-18	71	J
160	80	240	J	89	27	116	J
162	-40	122	J	90	-40	50	J
162	-32	130	J	90	-36	54	J
162	32	194	J	90	0	90	J
162	-130	32	L	90	-90	0	L
163	-33	130	J	91	-36	54	J
163	-30	133	J	91	-34	56	J
164	-30	134	J	91	-34	57	J
165	-15	150	K	92	-26	66	J
168	-34	134	K	93	-37	57	J
170	-20	150	J	94	-29	66	J
170	30	200	J	94	-1	93	K
170	50	220	J	94	10	104	K
170	-30	140	K	94	-34	60	K
172	-22	150	K	96	-30	66	K
172	-50	122	L	96	-46	50	K
175	-25	150	K	96	-46	50	L
175	-50	125	L	97	-46	52	K
178	-58	120	L	99	-50	49	K
180	-40	140	K	97	-46	52	L
180	-30	150	K	100	-34	66	K
180	-20	160	K	99	-50	49	L
180	-4	176	K	100	-20	80	K
180	0	180	K	100	-18	82	K
180	20	200	K	100	-7	93	K
180	32	212	K	100	0	100	K
180	40	220	K	100	4	104	K
180	-58	122	L	100	-50	50	K
182	30	212	K	101	-1	100	K
185	35	220	K	103	2	104	K
190	-40	150	K	106	-40	66	K
190	30	220	K	100	-50	50	L
192	-32	160	K	107	-36	71	K
198	14	212	K	110	-10	100	K
198	50	248	K	110	10	120	K
200	-40	160	K	111	-40	71	K
200	-20	180	K	111	-29	82	K
200	0	200	K	111	-18	93	K
200	30	230	K	111	-1	110	K
200	40	240	K	111	4	116	K
200	50	250	K	111	10	121	K
200	100	300	K	111	38	149	K
200	-50	150	L	111	-46	66	K
201	32	233	K	112	0	112	K
202	-50	152	L	112	-46	67	K
202	-52	150	L	112	-47	66	K
204	-30	174	K	111	-46	66	L
204	30	234	K	112	-46	67	L
204	-52	152	L	112	-47	66	L
208	-52	156	L	113	-47	67	L
214	-40	174	K	116	-47	69	L
216	-130	86	L	120	-90	30	L
225	8	233	N	125	-13	112	N
230	-30	200	N	128	-34	93	N
250	0	250	N	139	-18	121	N
250	50	300	N	139	10	149	N
250	100	350	N	139	38	177	N
260	150	410	N	144	66	210	N
270	-20	250	N	150	-29	121	N
270	30	300	N	150	-1	149	N
292	100	392	N	162	38	200	N
300	0	300	N	167	-18	149	N