

Radiation Thermometer : CT15.85 S/N 15319  
Total temperature range: -25 ... 200 °C  
Published spectral range: 9.6 - 11.5 µm

Signal start normalization: Absolute zero (0 K)  
Start of temperature range: -25,0 °C  
End of temperature range: 200,0 °C  
Resolution: 1,0 °C  
Number of data sets: 227  
RAD normalization: 1000000

Temp [°C]	Signal [%]	RAD
-273,15	0,0	0
-25,00	6,65436	66544
-24,00	6,805562	68056
-23,00	6,95897	69590
-22,00	7,114593	71146
-21,00	7,272442	72724
-20,00	7,432526	74325
-19,00	7,594854	75949
-18,00	7,759436	77594
-17,00	7,92628	79263
-16,00	8,095396	80954
-15,00	8,266792	82668
-14,00	8,440476	84405
-13,00	8,616456	86165
-12,00	8,794741	87947
-11,00	8,975338	89753
-10,00	9,158255	91583
-9,00	9,3435	93435
-8,00	9,531079	95311
-7,00	9,720999	97210
-6,00	9,913268	99133
-5,00	10,107893	101079
-4,00	10,304878	103049
-3,00	10,504232	105042
-2,00	10,70596	107060
-1,00	10,910068	109101
0,00	11,116562	111166
1,00	11,325447	113254
2,00	11,536729	115367
3,00	11,750414	117504
4,00	11,966505	119665
5,00	12,185008	121850
6,00	12,405928	124059
7,00	12,62927	126293
8,00	12,855037	128550
9,00	13,083234	130832
10,00	13,313865	133139
11,00	13,546933	135469

12,00	13,782444	137824
13,00	14,0204	140204
14,00	14,260804	142608
15,00	14,50366	145037
16,00	14,748971	147490
17,00	14,99674	149967
18,00	15,24697	152470
19,00	15,499663	154997
20,00	15,754823	157548
21,00	16,01245	160124
22,00	16,272548	162725
23,00	16,535118	165351
24,00	16,800163	168002
25,00	17,067684	170677
26,00	17,337683	173377
27,00	17,610161	176102
28,00	17,88512	178851
29,00	18,162561	181626
30,00	18,442485	184425
31,00	18,724893	187249
32,00	19,009785	190098
33,00	19,297164	192972
34,00	19,587029	195870
35,00	19,87938	198794
36,00	20,174219	201742
37,00	20,471544	204715
38,00	20,771357	207714
39,00	21,073658	210737
40,00	21,378445	213784
41,00	21,68572	216857
42,00	21,995481	219955
43,00	22,307728	223077
44,00	22,62246	226225
45,00	22,939678	229397
46,00	23,25938	232594
47,00	23,581564	235816
48,00	23,906231	239062
49,00	24,233379	242334
50,00	24,563006	245630
51,00	24,895113	248951
52,00	25,229696	252297
53,00	25,566755	255668
54,00	25,906287	259063
55,00	26,248292	262483
56,00	26,592768	265928
57,00	26,939712	269397
58,00	27,289123	272891
59,00	27,640998	276410
60,00	27,995336	279953
61,00	28,352134	283521

62,00	28,711391	287114
63,00	29,073102	290731
64,00	29,437267	294373
65,00	29,803882	298039
66,00	30,172945	301729
67,00	30,544453	305445
68,00	30,918404	309184
69,00	31,294794	312948
70,00	31,67362	316736
71,00	32,05488	320549
72,00	32,438571	324386
73,00	32,824689	328247
74,00	33,213231	332132
75,00	33,604194	336042
76,00	33,997575	339976
77,00	34,39337	343934
78,00	34,791575	347916
79,00	35,192188	351922
80,00	35,595204	355952
81,00	36,000619	360006
82,00	36,408431	364084
83,00	36,818636	368186
84,00	37,231228	372312
85,00	37,646206	376462
86,00	38,063564	380636
87,00	38,483299	384833
88,00	38,905407	389054
89,00	39,329883	393299
90,00	39,756723	397567
91,00	40,185924	401859
92,00	40,617481	406175
93,00	41,051389	410514
94,00	41,487645	414876
95,00	41,926244	419262
96,00	42,367182	423672
97,00	42,810453	428105
98,00	43,256054	432561
99,00	43,703981	437040
100,00	44,154227	441542
101,00	44,60679	446068
102,00	45,061663	450617
103,00	45,518843	455188
104,00	45,978325	459783
105,00	46,440104	464401
106,00	46,904175	469042
107,00	47,370533	473705
108,00	47,839173	478392
109,00	48,310091	483101
110,00	48,783282	487833
111,00	49,25874	492587

112,00	49,736461	497365
113,00	50,216439	502164
114,00	50,69867	506987
115,00	51,183148	511831
116,00	51,669868	516699
117,00	52,158825	521588
118,00	52,650015	526500
119,00	53,143431	531434
120,00	53,639068	536391
121,00	54,136922	541369
122,00	54,636987	546370
123,00	55,139258	551393
124,00	55,643729	556437
125,00	56,150395	561504
126,00	56,659251	566593
127,00	57,170292	571703
128,00	57,683511	576835
129,00	58,198904	581989
130,00	58,716466	587165
131,00	59,23619	592362
132,00	59,758071	597581
133,00	60,282104	602821
134,00	60,808284	608083
135,00	61,336605	613366
136,00	61,86706	618671
137,00	62,399646	623996
138,00	62,934356	629344
139,00	63,471185	634712
140,00	64,010127	640101
141,00	64,551176	645512
142,00	65,094328	650943
143,00	65,639576	656396
144,00	66,186915	661869
145,00	66,736339	667363
146,00	67,287843	672878
147,00	67,841421	678414
148,00	68,397067	683971
149,00	68,954775	689548
150,00	69,514541	695145
151,00	70,076359	700764
152,00	70,640222	706402
153,00	71,206125	712061
154,00	71,774062	717741
155,00	72,344028	723440
156,00	72,916018	729160
157,00	73,490024	734900
158,00	74,066043	740660
159,00	74,644067	746441
160,00	75,224091	752241
161,00	75,806111	758061

162,00	76,390119	763901
163,00	76,97611	769761
164,00	77,564079	775641
165,00	78,154019	781540
166,00	78,745926	787459
167,00	79,339793	793398
168,00	79,935615	799356
169,00	80,533385	805334
170,00	81,133099	811331
171,00	81,734751	817348
172,00	82,338335	823383
173,00	82,943844	829438
174,00	83,551275	835513
175,00	84,16062	841606
176,00	84,771874	847719
177,00	85,385031	853850
178,00	86,000087	860001
179,00	86,617034	866170
180,00	87,235868	872359
181,00	87,856583	878566
182,00	88,479173	884792
183,00	89,103632	891036
184,00	89,729955	897300
185,00	90,358136	903581
186,00	90,988169	909882
187,00	91,62005	916200
188,00	92,253771	922538
189,00	92,889328	928893
190,00	93,526715	935267
191,00	94,165926	941659
192,00	94,806956	948070
193,00	95,4498	954498
194,00	96,09445	960945
195,00	96,740903	967409
196,00	97,389152	973892
197,00	98,039192	980392
198,00	98,691017	986910
199,00	99,344621	993446
200,00	100,0	1000000



**FOV Diagram KT19/KT15; SP\_85 ; Det. A**



