

Temperature Transmitters for Air Cored & Bi Metal Gauges

Code	Thread Form	Seat	Ohms 100 C	Pellet	Range	Colour	Notes	CAI Name
TT3801-00A	5/8 18tpi UNF	Cone	22.4 - 32.5	107 A	20 - 130	Green	Obsolete	
TT3802-00A	5/8 18tpi UNF	Cone	37.4 - 47.6	154 E	45 - 120	Red		
TT3803-00A	5/8 18tpi UNF	Cone	43.2 - 57.6	153 H	50 - 140	Black		
TT3804-00A	5/8 18tpi UNF	Cone	27.9 - 35.7	121 C	30 - 120	Brown		
TT3805-00A	5/8 18tpi UNF	Cone	116.5-153.8	182 L	80 - 180	Blue	Volvo P1800	Special
TT3806-00	5/8 18tpi UNF	Cone	43.2 - 57.6	153 H	50 - 140	Black		
TT3808-00	5/8 18tpi UNF	Cone	102.9-135.8	205 M	40 - 140	Natural	A/C "B" Winding	Euro Temp
TT3850-00	M14 x 1.5	Cone		182 L	80 - 160	Grey	Brass Special Bi Met	
TT4201-00A	5/8 18tpi UNF	Flat	27.9 - 35.7	121 C	30 - 120	Brown		Bi Metal tmp
TT4801-00A	5/8 18tpi UNF	Flat	27.9 - 35.7	121 C	30 - 120	Brown		
TT4802-00A	5/8 18tpi UNF	Flat	37.4 - 47.6	154 E	45 - 120	Red		
TT4803-00A	5/8 18tpi UNF	Flat	43.2 - 57.6	153 H	50 - 140	Black	Same as TT4806-00	Bi metal std
TT4803-01	5/8 18tpi UNF	Flat	102.9-135.8	205 M	40 - 140	Natural	A/C "B" Winding	Euro Temp
TT4803-02	5/8 18tpi UNF	Flat		182 L	80 - 160	Grey	Brass Special Bi Met	
TT4804-00A	M18 x 1.5	Flat	43.2 - 57.6	153 H	45 - 120	Red		
TT4805-00	5/8 18tpi UNF	Flat	37.4 - 47.6	154 E	45 - 120	Red	Brass Body	
TT4806-00	5/8 18tpi UNF	Flat	43.2 - 57.6	153 H	50 - 140	Black	Same as TT4803-00A	Bi metal std
TT4806-02	5/8 18tpi UNF	Flat	69.4 - 57.8	210 N	50 - 140	Natural	JAGUAR	Special
TT4807-01	M14 x 1.5	Flat	37.4 - 47.6	154 E	45 - 120	Red		
TT4808-00	M16 x 1.5	Flat	102.9-135.8	205 M	40 - 140	Natural	A/C "B" Winding	Euro Temp
TT4809-00	M16 x 1.5	Flat	37.4 - 47.6	154 E	45 - 120	Red		
TT4810-00	M16 x 1.5	Flat	102.9-135.8	205 M	40 - 140	Natural	A/C "B" Winding	Euro Temp
TT4811-00	5/8 18tpi UNF	Flat	43.2 - 57.6	153 H	50 - 140	Black		
TT6800-00	5/8 18tpi UNF	Cone	27.9 - 35.7	121 C	30 - 120	Brown	Insulated Return	Brass
TT6801-00	5/8 18tpi UNF	Cone	43.2 - 57.6	153 H	50 - 140	Black	Insulated Return	Brass
TT6802-00	5/8 18tpi UNF	Cone	37.4 - 47.6	154 E	45 - 120	Red	Insulated Return	Brass
TT6803-00	3/4 16tpi UNF	Cone	27.9 - 35.7	121 C	30 - 120	Brown	Insulated Return	Brass
TT6804-00		Flat	66.2-74.8	213 T	60 - 150	Yellow	T45 24V "C"	
TT6809-00	M15 x 1.5	Flat	59.2-45.4	153 ER	50-140	Black	A/C "A" winding	275-25 Ω
TT6811-00	1/8 27tpi NPT	taper	37.4 - 47.6	154 E	45 - 120	Red	Brass Body	
TT6811-01	1/8 27tpi NPT	Taper	43.2 - 57.6	153 H	50 - 140	Black	Brass Body	Bi metal std
TT6811-02	1/8 27tpi NPT	Taper		212 S	-40 - 40	Yellow	Ambient Air	
TT6811-03	1/8 27tpi NPT	Taper	102.9-135.8	205 M	40 - 140	Natural	A/C "B" Winding	Euro Temp
TT6811-04	1/8 27tpi NPT	Taper	160.7-126.8	215 D	40 - 200	Blue	A/C "C" winding 24v	
TT6813-00	1/8 27tpi NPT	Taper	43.2 - 57.6	153 H	50 - 140	Black	Brass Body	
TT6817-00	1/8 27tpi NPT	Taper	160.7-126.8	215 D	40 - 140	Blue	A/C "C" winding 24v	
TT6818							CAN USE TT6811-03	
TT3001-8N	1/8 27tpi NPT	Taper	38.5	N/A	10 - 120	N/A	Brass Body	VDO Low
TT3005-8N	1/8 27tpi NPT	Taper	62.2	N/A	50 -150	N/A	Brass Body	VDO High

"A" suitable for Air Cored

Cone fitment with suitable washer, not supplied, will suit flat fit.

Temperature Characteristics of Senders

Colour	Pellet	Gauge	A/C Wind	Scale	Type
Green	107	Semiconductor	None	20 - 130 C	Moving Iron
Brown	121	Bi Metal	None	30 - 120 C	Water Temp
Black	153	Bi Metal & Air Cored	A	50 - 140 C	Oil Temp
Red	154	Bi Metal & Air Cored	A	45 - 120 C	Water Temp
Natural	205	Euro Temp Air Cored	B	40 - 140 C	Oil & Water Temp
Blue	215	Air Cored	C	40 - 200 C	Oil & water Temp

Brown 121 C Bi Metal Water temp 30-120		Black 153 H Bi Metal Oil Temp 50-140 CAI Standard		Red 154 E Bi Metal Water Temp 45-120		Natural 205 M Smith's B, Euro Temp or Stewart Warner		Green 107 A Moving Iron Obsolete		White TT3001 VDO LOW Water Temp		Black TT3005 VDO HIGH Oil Temp		TT6806-00 No associated characteristic	
C°	Ω	C°	Ω	C°	Ω	C°	Ω	C°	Ω	C°	Ω	C°	Ω	C°	Ω
10		10		10		10		10		10	1075	10	1906		
20		20		20		20		20		20	677	20	1167		
30	220	30		30	501.5	30		30		30	440	30	740		
40	156	40		40	323.6	40	1158	40	467.5	40	287.4	40	450	40	1129
50	113.2	50	267	50	214.4	50	758	50	239	50	200	50	323	50	746
60	84	60	183.25	60	146.4	60	510	60	129.5	60	134	60	240	60	523
70	63.8	70	128	70	102.8	70	351.5	70	76.35	70	95.2	70	140	70	361
80	49.4	80	92.25	80	74.1	80	247.5	80	48.6	80	69.1	80	112.5	80	260
90	38.85	90	67.65	90	54.7	90	177.75	90	32.6	90	51.2	90	80	90	204
100	31	100	50.65	100	41.25	100	130.15	100	22.7	100	38.5	100	62.2	100	141
110	25.05	110	38.53	110	31.65	110	96.95	110	16.1	110	29.4	110	48.1	110	107
120	20.55	120	29.5	120	24.7	120	73.5	120	11.7	120	22.7	120	36.5	120	85
130		130	23.5	130	19.5	130	56.5	130	8.55	130	17.4	130	28		
140		140	18.7	140	15.6	140	44	140	6.3	140	13.75	140	23.1		
150		150		150	12.6	150	34.7	150	4.75	150	10.96	150	18.6		

Natural 182 L Bi Metal Volvo Oil Temp80-180C		215 Blue D ACI C Winding But Bi metal 70 - 200C 24v		210 Natural N ACI A winding Jaguar special 40 - 150C°		TT6001 Marine, M12 DSO/110/0/A/B 24V, 25-110C		PT100 Ohms to one decimal place		PT1000 or TT6820-00 Ambient Temperature		Black 153 E.R. TT6809-00 AIR CORED "A" Winding	
C°	Ω	C°	Ω	C°	Ω	C°	Ω	C°	Ω	C°	Ω	C°	Ω
								0	100	-30	882	50	275
						20	550	10	103.9	-20	921	55	228
						25	500	20	107.8	-10	961	60	189
						30	400	30	111.7	0	1000	65	158
		40	1279.5			40	282.1	40	115.5	10	1039	70	133
		50	834.8	50	287.05	50	197.6	50	119.4	20	1078	75	113
		60	560.5	60	204.50	60	140	60	123.2	25	1097	80	96
		70	385.75	70	148.60	70	101.5	70	127.1	30	1117	85	82
80	262.1	80	271.85	80	110.00	80	74.6	80	130.9	35	1136	90	70
90	186.2	90	195.70	90	82.95	90	55.6	90	134.7	40	1155	95	60
100	135.2	100	143.75	100	63.60	100	41.9	100	138.5	45	1175	100	52
110	100.1	110	107.50	110	49.45	110	32	110	142.3	50	1194	105	46
120	74.95	120	81.75	120	39.10	120	28	120	146.1	55	1213	110	40
130	58.50	130	63.10	130	31.30	130	25	130	149.9	60	1232	115	35
140	45.80	140	49.30	140	25.40			140	153.6			120	31
150	39.7	150	38.95					150	157.3			125	27
160	29.20	160	31.10					160	161.0			130	24
170	23.70	170	25.05					170	164.8			135	21
180	19.40	180	20.35					180	168.5			140	19
		190	16.75					190	172.2				
		200	13.85					200	175.8				

CELSIUS & FAHRENHEIT 10 DEGREE CONVERSIONS

C°	F°		F°	C°
-40	-40		-40	-40
-30	-22		-30	-34
-20	-4		-20	-29
-10	14		-10	-23
0	32		0	-18
10	50		10	-12.2
20	68		20	-6.7
30	86		32	0
40	104		40	4.4
50	122		50	10
60	140		60	15.5
70	158		70	21.1
80	176		80	26.6
90	194		90	32.2
100	212		100	37.7
110	230		110	43.3
120	248		120	48.8
130	266		130	54.4
140	284		140	60
150	302		150	65.6
160	320		160	71.1
170	338		170	76.6
180	356		180	82.2
190	374		190	87.7
200	392		200	93.3
			210	98.9
			220	104.4
			230	110
			240	115.6
			250	121.1
			260	126.7
			270	132.2
			280	137.8
			290	143.3
			300	148.9
			310	154.4
			320	160.0
			330	165.6
			340	171.1
			350	176.7
			360	182.2
			370	187.8
			380	193.3
			390	198.9
			400	204.4