

Thermometer Specifications

BS1704: 1985 (ISO 1981) THERMOMETERS

Solid stem, mercury filled. Available total or partial (75mm) immersion.

BS Ref	Range°C	Graduation	Length mm
A*	-100/+30	1.0	305
B	-35/+30	0.5	305
C	0/60	0.5	305
D	0/100	1.0	305
E	0/160	1.0	305
F	0/250	1.0	305
G	0/360	2.0	305
H	0/500	5.0	350
J*	-100/+50	1.0	305
K*	-50/+50	1.0	305
L	-1/+51	0.1	460
M	-1/+101	0.1	610
N	-1/+201	0.2	610
P	-35/+50	1.0	305
R	-0/+110	1.0	305
S	-0/+150	1.0	305
T	-10/+260	1.0	405
V	-10/+400	2.0	405
W	-10/+500	2.0	405

*Spirit filled

BS593 THERMOMETERS

Available total or partial (100mm) immersion.

BS Ref	Range°C	Graduation	Length mm
A10C	-30/+10	0.1	405
A20C	-20/+20	0.1	405
A40C	0/40	0.1	405
A70C	40/70	0.1	405
A100C	70/100	0.1	405
A130C	100/130	0.1	405
A160C	130/160	0.1	405
B60C	-20/+60	0.2	405
B110C	50/110	0.2	405
B160C	100/160	0.2	405
B210C	150/210	0.2	405
B260C	200/260	0.2	405
F50C	-2/+52	0.2	405
F75C	24/78	0.2	405
FI00C	48/102	0.2	405
F125C	72/126	0.2	405
F150C	98/152	0.2	405
F175C	123/177	0.2	405
F200C	148/202	0.2	405
F225C	173/227	0.2	405

Thermometer Specifications

IP THERMOMETERS

Manufactured in accordance with the specifications contained in *IP Standards for Petroleum and its Products*.

IP Ref	Range ^o	Graduation	Length mm	Immersion mm
IP3C	-1/+105	0.5	265	Total
IP3F	30/220	1.0	265	Total
IP4C	-4/+360	2.0	320	Total
IP8F	30/110	0.5	350	65
IP8C	0/45	0.2	350	65
IP9C	40/85	0.2	350	65
IPI0C	76/122	0.2	340	65
IPI0F	170/250	0.5	340	65
IP22C	195/205	0.1	310	100
Abel oil cup	10/65C	0.5	230	61
"	50/150F	1.0	230	61
Abel water	2/88C	0.5	230	89
"	90/190F	1.0	230	89
IP37C	144/156	0.2	280	100
IP38C	23/27	0.1	270	Total
IP39C	-1/+38	0.1	450	Total
IP39F	30/100	0.2	450	Total
IP40C	20/120	1.0	260	100
IP41C	100/230	1.0	260	100
IP42C	-38/+30	0.5	380	250
IP43C	10/110	0.5	305	61
IP43F	50/230	1.0	305	61
IP44C	15/121	0.5	305	88.9
IP44F	60/250	1.0	305	88.9
IP45C	15/30	0.2	170	22
IP46C	14.5/21	0.1	170	Total
IP46F	58/70	0.2	170	Total
IP48C	-38/+30	0.5	315	Total
IP49C	-15/+40	0.5	315	Total
IP50C	10/65	0.5	315	Total
IP51C	35/120	0.5	315	Total
IP52C	90/260	1.0	315	Total
IP53C	0/80	0.5	315	Total
IP74C	-35/+70	0.5	320	61
IP74F	-35/+160	1.0	320	61
IP75C	-30/+80	0.5	320	89
IP75F	-25/+180	1.0	320	89
IP76C	10/55	0.5	250	93
IP101C	20/150	1.0	290	57

Where an IP reference number is not given, it will be found under the ASTM listings as it is a direct equivalent of an ASTM thermometer.

Thermometer Specifications

ASTM/IP THERMOMETERS

Manufactured in accordance with the standards issued by the American Society for Testing Materials.

ASTM/IP Ref	Range°	Graduation	Length mm	Immersion mm
ASTMIC	-20/+150	1.0	327	76
ASTMIF	0/302	2.0	327	76
ASTM2C/IP62C	-5/+300	1.0	395	76
ASTM2F/IP62F	20/580	2.0	395	76
ASTM3C/IP73C	-5/+400	1.0	420	76
ASTM3F/IP73F	20/760	2.0	420	76
ASTM5C/IP1C	-38/+50	1.0	235	108
ASTM5F/IP1F	-36/+120	2.0	235	108
ASTM6C/IP2C	-80/+20	1.0	235	76
ASTM6F/IP2F	112/+70	2.0	235	76
ASTM7C/IP5C	-2/+300	1.0	390	Total
ASTM7F	30/580	2.0	390	Total
ASTM8C/IP6C	-2/+400	1.0	390	Total
ASTM8F	30/760	2.0	390	Total
ASTM9C/IP15C	-5/+110	0.5	295	57
ASTM9F/IP15F	20/230	1.0	295	57
ASTM10C/IP16C	90/370	2.0	295	57
ASTM10F/IP16F	200/700	5.0	295	57
ASTM11C/IP28C	-6/+400	2.0	315	25
ASTM11F/IP28F	20/760	5.0	315	25
ASTM12C/IP64C	-20/+102	0.2	425	Total
ASTM12F/IP64F	-5/+215	0.5	425	Total
ASTM13C/IP47C	155/170	0.5	160	Total
ASTM14C/IP17C	38/82	0.1	380	79
ASTM14F/IP17F	100/180	0.2	380	79
ASTM15C/IP60C	-2/+80	0.2	400	Total
ASTM15F	30/180	0.5	400	Total
ASTM16C/IP61C	30/200	0.5	400	Total
ASTM16F	85/392	1.0	400	Total
ASTM17C	19/27	0.1	280	Total
ASTM17F	66/80	0.2	280	Total
ASTM18C/IP23C	34/42	0.1	280	Total
ASTM18F/IP23F	94/108	0.2	280	Total
ASTM19C	49/57	0.1	280	Total
ASTM19F	120/134	0.2	280	Total
ASTM20C	57/65	0.1	280	Total
ASTM20F	134/148	0.2	280	Total
ASTM21C	79/87	0.1	280	Total
ASTM21F	174/188	0.2	280	Total
ASTM22C/IP24C	95/103	0.1	280	Total
ASTM22F/IP24F	204/218	0.2	280	Total
ASTM23C	18/28	0.2	217	90
ASTM24C	39/54	0.2	242	90
ASTM25C	95/105	0.2	217	90
ASTM26C	130/140	0.1	468	Total
ASTM27C	147/182	0.5	306	76
ASTM28C/IP31C	36.6/39.4	0.05	310	Total
ASTM28F/IP31F	97.5/102.5	0.1	310	Total
ASTM29C/IP34C	52.6/55.4	0.05	305	Total

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ASTM/IP Ref	Range°	Graduation	Length mm	Immersion mm
ASTM29C/IP34C	52.6/55.4	0.05	305	Total
ASTM29F/IP34F	127.5/132.5	0.1	310	Total
ASTM30F/IP32F	207.5/212.5	0.1	310	Total
ASTM33C/IP20C	-38/+42	0.2	425	50
ASTM33F	-36.5/+107.5	0.5	425	50
ASTM34C/IP21C	25/105	0.2	425	50
ASTM34F	77/221	0.5	425	50
ASTM35C/IP59C	90/170	0.2	425	50
ASTM35F	194/338	0.5	425	51
ASTM36C	-2/+68	0.2	410	45
ASTM37C/IP77C	-2/+52	0.2	400	100
ASTM38C/IP78C	24/78	0.2	400	100
ASTM39C/IP79C	48/102	0.2	400	100
ASTM40C/IP80C	72/126	0.2	400	100
ASTM41C/IP81C	98/152	0.2	400	100
ASTM42C/IP82C	95/225	0.5	400	100
ASTM43C/IP65C	-51.6/-34	0.1	425	Total
ASTM43F/IP65F	-61/-29	0.2	425	Total
ASTM44C/IP29C	18.5/21.5	0.05	310	Total
ASTM44F/IP29F	66.5/71.5	0.1	310	Total
ASTM45C/IP30C	23.6/26.4	0.05	310	Total
ASTM45F/IP30F	74.5/79.5	0.1	310	Total
ASTM46C/IP66C	48.6/51.4	0.05	310	Total
ASTM46F/IP66F	119.5/124.5	0.1	310	Total
ASTM47C/IP35C	58.6/61.4	0.05	310	Total
ASTM47F/IP35F	137.5/142.5	0.1	310	Total
ASTM48C/IP90C	80.6/83.4	0.05	310	Total
ASTM48F/IP90F	177.5/182.5	0.1	310	Total
ASTM49C	20/70	0.2	310	65
ASTM50F	54/101	0.1	473	Total
ASTM51F	69/116	0.1	473	Total
ASTM52C	-10/+5	0.1	167	Total
ASTM54C/IP18C	20/100	0.2	315	Total
ASTM54F/IP18F	68/213	0.5	315	Total
ASTM56C	19/35	0.2	600	Total
ASTM56F	66/95	0.05	600	Total
ASTM57C	20/+50	0.5	292	57
ASTM57F	-4/+122	1.0	292	57
ASTM58C	-34/+49	0.5	305	Total
ASTM58F	-30/+120	1.0	305	Total
ASTM59C	18/+82	0.5	305	Total
ASTM59F	0/180	1.0	305	Total
ASTM60C	77/260	1.0	305	Total
ASTM60F	170/500	2.0	305	Total
ASTM61C/IP63C	32/127	0.2	385	79
ASTM61F	90/260	0.5	385	79
ASTM62C	-38/+2	0.1	384	Total
ASTM62F	-36/+35	0.2	384	Total
ASTM63C	-8/+32	0.1	384	Total
ASTM63F	18/89	0.2	384	Total
ASTM64C	25/55	0.1	384	Total
ASTM64F	77/131	0.2	384	Total

Thermometer Specifications

ASTM/IP Ref	Range°	Graduation	Length mm	Immersion mm
ASTM60C	77/260	1.0	305	Total
ASTM60F	170/500	2.0	305	Total
ASTM61C/IP63C	32/127	0.2	385	79
ASTM61F	90/260	0.5	385	79
ASTM62C	-38/+2	0.1	384	Total
ASTM62F	-36/+35	0.2	384	Total
ASTM63C	-8/+32	0.1	384	Total
ASTM63F	18/89	0.2	384	Total
ASTM64C	25/55	0.1	384	Total
ASTM64F	77/131	0.2	384	Total
ASTM65C	50/80	0.1	384	Total
ASTM65F	122/176	0.2	384	Total
ASTM66C	75/105	0.1	384	Total
ASTM66F	167/221	0.2	384	Total
ASTM67C	95/155	0.2	384	Total
ASTM67F	203/311	0.5	384	Total
ASTM68C	145/205	0.2	384	Total
ASTM68F	293/401	0.5	384	Total
ASTM69C	195/305	0.5	384	Total
ASTM69F	383/581	1.0	384	Total
ASTM70C	295/405	0.5	384	Total
ASTM70F	563/761	1.0	384	Total
ASTM71C/IP72C	-37/+21	0.5	360	76
ASTM71F/IP72F	-35/+70	1.0	360	76
ASTM72C/IP67C	-19.4/-16.6	0.05	310	Total
ASTM72F/IP67F	-2.5/+2.5	0.1	310	Total
ASTM73C/IP68C	-41.4/-38.6	0.05	310	Total
ASTM73F/IP68F	-42.5/-37.5	0.1	310	Total
ASTM74C/IP69C	-55.4/-52.6	0.05	310	Total
ASTM74F/IP69F	-67.5/-62.5	0.1	310	Total
ASTM75F	-35/+35	0.5	413	100
ASTM76F	-65/+5	0.5	413	100
ASTM77F	245/265	0.5	280	Total
ASTM78F	295/315	0.5	280	Total
ASTM79F	345/365	0.5	280	Total
ASTM80F	395/415	0.5	280	Total
ASTM81F	445/465	0.5	280	Total
ASTM82C	-15/+105	1.0	165	30
ASTM82F	0/220	2.0	165	30
ASTM83C	15/70	1.0	174	40
ASTM83F	60/160	1.0	174	40
ASTM84C	20/80	1.0	387	249
ASTM84F	75/175	1.0	387	249
ASTM85C	40/150	1.0	314	181
ASTM85F	100/300	2.0	314	181
ASTM86C	95/175	1.0	170	35
ASTM86F	200/350	2.0	170	35
ASTM87C	150/205	1.0	175	40
ASTM87F	300/400	1.0	175	40
ASTM88C	10/200	1.0	292	57
ASTM88F	50/392	2.0	292	57
ASTM89C	-20/+10	0.1	375	76

Thermometer Specifications

ASTM90C	0/30	0.1	375	76
ASTM91C	20/50	0.1	375	76
ASTM92C	40/70	0.1	375	76
ASTM93C	60/90	0.1	375	76
ASTM94C	80/110	0.1	375	76
ASTM95C	100/130	0.1	375	76
ASTM96C	120/150	0.1	375	76
ASTM97C	-18/+49	0.5	305	Total
ASTM97F	0/120	1.0	305	Total
ASTM98C	16/82	0.5	305	Total
ASTM98F	60/180	1.0	305	Total
ASTM99F	-55/+40	0.5	305	35
ASTM100C	145/205	0.2	375	76
ASTM101C	195/305	0.5	375	76
ASTM102C/IP83C	123/177	0.2	400	100
ASTM103C/IP84C	148/202	0.2	400	100
ASTM104C/IP85C	173/227	0.2	400	100
ASTM105C/IP86C	198/252	0.2	400	100
ASTM106C/IP87C	223/277	0.2	400	100
ASTM107C/IP88C	248/302	0.2	400	100
ASTM108F	270/290	0.5	280	Total
ASTM109F	320/340	0.5	280	Total
ASTM110C/IP93C	133.6/136.4	0.05	310	Total
ASTM110F	272.5/277.5	0.1	310	Total
ASTM111C	170/250	0.2	400	100
ASTM112C	4/6	0.2	220	Total
ASTM113C/IP89C	-1/+175	0.5	410	Total
ASTM113F/IP89F	30/350	1.0	410	Total
ASTM114C/IP14C	-80/+20	0.5	305	Total
ASTM116C	18.9/25.1	0.1	614	Total
ASTM117C	23.9/30.1	0.1	614	Total
ASTM118C	28.6/31.4	0.05	310	Total
ASTM118F	83.5/88.5	0.1	310	Total
ASTM119C	-38.3/-30	0.1	425	100
ASTM119F	-37/-22	0.2	425	100
ASTM121C/IP92C	38.6/41.4	0.05	310	Total
ASTM121C/IP32C	98.6/101.4	0.05	310	Total
ASTM122C/IP94C	-45/-35	0.1	305	Total
ASTM123C/IP95C	-35/-25	0.1	305	Total
ASTM124C/IP96C	-25/-15	0.1	305	Total
ASTM125C/IP97C	-15/-5	0.1	305	Total
ASTM126C/IP71C	-27/-24.6	0.05	310	Total
ASTM126F/IP71F	-17.5/-12.5	0.1	310	Total
ASTM127C/IP99C	-21.4/-18.6	0.05	310	Total
ASTM128C/IP33C	-1.4/+1.4	0.05	310	Total
ASTM128F/IP33F	29.5/34.5	0.1	310	Total
ASTM129C/IP36C	91.6/94.4	0.05	310	Total
ASTM129F/IP36F	197.5/202.5	0.1	310	Total