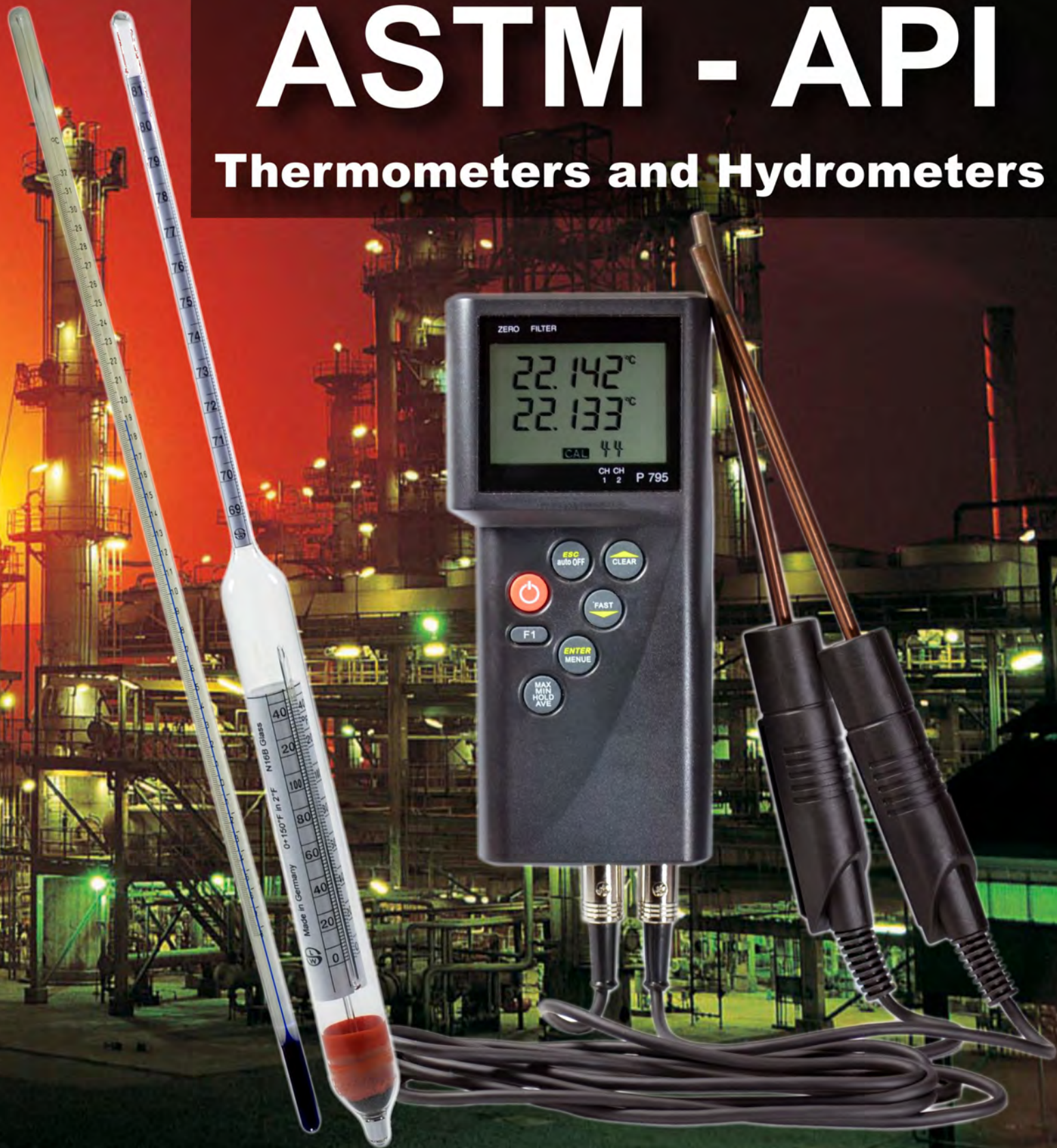


ASTM - API

Thermometers and Hydrometers



ASTM Mercury Thermometers



ASTM - Mercury Thermometers listed are made in accordance with specifications of the American Society for Testing and Material. Strict manufacturing procedures and quality controls insure full compliance to ASTM E-1. These instruments are made from annealed glass and have been extensively aged for minimal scale error and stability. Many crossover to the IP standard listed alongside the ASTM number. These thermometers were designed for specific testing and can be calibrated to your specific requirements. Many

are available in non-mercury configurations and meet ASTM standards for accuracy tolerance and uncertainties and can be used as a primary standard.

CATALOG No.	ASTM No.	IP Equiv	Name	Range	Divisions	Immersion	Length
ACC001C	1C	-	Partial Immersion	-20 to +150°C	1.0°C	76mm	327mm
ACC001F	1F	-	Partial Immersion	0 to +302°F	2.0°F	76mm	327mm
ACC002C	2C	62C	Partial Immersion	-5 to +300°C	1.0°C	76mm	395mm
ACC002F	2F	62F	Partial Immersion	+20 to +580°F	2.0°F	76mm	395mm
ACC003C	3C	73C	Partial Immersion	-5 to +400°C	1.0°C	76mm	420mm
ACC003F	3F	73F	Partial Immersion	+20 to +760°F	2.0°F	76mm	420mm
ACC004C	4C		Acid Heat	-1 to 105°C	0.5°C	152mm	381mm
ACC004F	4F		Acid Heat	30 to 220°F	1.0°C	152mm	381mm
ACC005C	5C	1C	Cloud & Pour	-38 to +50°C	1.0°C	108mm	235mm
ACC005F	5F	1F	Cloud & Pour	-36 to +120°F	2.0°F	108mm	235mm
ACC006C	6C	2C	Low Cloud & Pour (red spirit filled)	-80 to +20°C	1.0°C	76mm	235mm
ACC006F	6F	2F	Low Cloud & Pour (red spirit filled)	-112 to +70°F	2.0°F	76mm	235mm
ACC007C	7C	5C	Low Distillation	-2 to +300°C	1.0°C	TOTAL	390mm
ACC007F	7F	-	Low Distillation	+30 to +580°F	2.0°F	TOTAL	390mm
ACC008C	8C	6C	High Distillation	-2 to +400°C	1.0°C	TOTAL	390mm
ACC008F	8F	-	High Distillation	+30 to +760°F	2.0°F	TOTAL	390mm
ACC009C	9C	15C	Low Pensky-Martens	-5 to +110°C	0.5°C	57mm	295mm
ACC009F	9F	15F	Low Pensky-Martens	+20 to +230°F	1.0°F	57mm	295mm
ACC010C	10C	16C	High Pensky-Martens	+90 to +370°C	2.0°C	57mm	295mm
ACC010F	10F	16F	High Pensky-Martens	+200 to +700°F	5.0°F	57mm	295mm
ACC011C	11C	28C	Cleveland Open Flash	-6 to +400°C	2.0°C	25mm	315mm
ACC011F	11F	28F	Cleveland Open Flash	+20 to +760°F	5.0°F	25mm	315mm
ACC012C	12C	64C	Gravity	-20 to +102°C	0.2°C	TOTAL	425mm
ACC012F	12F	64F	Gravity	-5 to +215°F	0.5°F	TOTAL	425mm
ACC013C	13C	47C	Loss On Heat	+155 to +170°C	0.5°C	TOTAL	160mm
ACC014C	14C	17C	Wax Melting Point	+38 to +82°C	0.1°C	79mm	380mm
ACC014F	14F	17F	Wax Melting Point	+100 to +180°F	0.2°F	79mm	380mm
ACC015C	15C	60C	Low Softening Point	-2 to +80°C	0.2°C	TOTAL	400mm
ACC015F	15F	-	Low Softening Point	+30 to +180°F	0.5°F	TOTAL	400mm
ACC016C	16C	61C	High Softening Point	+30 to +200°C	0.5°C	TOTAL	400mm
ACC016F	16F	-	High Softening Point	+85 to +392°F	1.0°F	TOTAL	400mm
ACC017C	17C	-	Saybolt Viscosity	+19 to +27°C	0.1°C	TOTAL	280mm
ACC017F	17F	-	Saybolt Viscosity	+66 to +80°F	0.2°F	TOTAL	280mm
ACC018C	18C	23C	Reid Vapour Pressure	+34 to +42°C	0.1°C	TOTAL	280mm
ACC018F	18F	23F	Reid Vapour Pressure	+94 to +108°F	0.2°F	TOTAL	280mm
ACC019C	19C	-	Saybolt Viscosity	+49 to +57°C	0.1°C	TOTAL	280mm
ACC019F	19F	-	Sayboltviscosity	+120 to +134°F	0.2°F	TOTAL	280mm
ACC020C	20C	-	Saybolt Viscosity	+57 to +65°C	0.1°C	TOTAL	280mm
ACC020F	20F	-	Saybolt Viscosity	+134 to +148°F	0.2°F	TOTAL	280mm
ACC021C	21C	-	Saybolt Viscosity	+79 to +87°C	0.1°C	TOTAL	280mm
ACC021F	21F	-	Saybolt Viscosity	+174 to +188°F	0.2°F	TOTAL	280mm

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CATALOG No.	ASTM No.	IP Equiv	Name	Range	Divisions	Immersion	Length
ACC022C	22C	24C	Oxidation Stability	+95 to +103°C	0.1°C	TOTAL	280mm
ACC022F	22F	24F	Oxidation Stability	+204 to +218°F	0.2°F	TOTAL	280mm
ACC023C	23C	-	Engler Viscosity	+18 to +28°C	0.2°C	90mm	217mm
ACC024C	24C	-	Engler Viscosity	+39 to +54°C	0.2°C	90mm	242mm
ACC025C	25C	-	Engler Viscosity	+95 to +105°C	0.2°C	90mm	217mm
ACC026C	26C	-	Nitrocellulose Stability	+130 to +140°C	0.1°C	TOTAL	468mm
ACC027C	27C	-	Turpentine Distillation	+147 to +182°C	0.5°C	76mm	306mm
ACC028C	28C	31C	Kinematic Viscosity	+36.6 to +39.4°C	0.05°C	TOTAL	310mm
ACC028F	28F	-	Kinematic Viscosity	+97.5 to +102.5°F	0.1°F	TOTAL	310mm
ACC029C	29C	34C	Kinematic Viscosity	+52.6 to +55.4°C	0.05°C	TOTAL	310mm
ACC029F	29F	-	Kinematic Viscosity	+127.5 to +132.5°F	0.1°F	TOTAL	310mm
ACC030F	30F	32F	Kinematic Viscosity	+207.5 to +212.5°F	0.1°F	TOTAL	310mm
ACC031F	31F	32F	Reid Vapor Pressure Air Chamber	-30 to 120°F	1.0°F	TOTAL	310mm
ACC033C	33C	20C	Low Aniline Point	-38 to +42°C	0.2°C	50mm	425mm
ACC033F	33F	-	Low Aniline Point	-36.5 to +107.5°F	0.5°F	50mm	425mm
ACC034C	34C	21C	Medium Aniline Point	+25 to +105°C	0.2°C	50mm	425mm
ACC034F	34F	-	Medium Aniline Point	+77 to +221°F	0.5°F	50mm	425mm
ACC035C	35C	59C	High Aniline Point	+90 to +170°C	0.2°C	50mm	425mm
ACC035F	35F	-	High Aniline Point	+194 to +338°F	0.5°F	50mm	425mm
ACC036C	36C	-	Titer Test	-2 to +68°C	0.2°C	45mm	410mm
ACC037C	37C	77C	Solvents Distillation	-2 to +52°C	0.2°C	100mm	400mm
ACC038C	38C	78C	Solvents Distillation	+24 to +78°C	0.2°C	100mm	400mm
ACC039C	39C	79C	Solvents Distillation	+48 to +102°C	0.2°C	100mm	400mm
ACC040C	40C	80C	Solvents Distillation	+72 to +126°C	0.2°C	100mm	400mm
ACC041C	41C	81C	Solvents Distillation	+98 to +152°C	0.2°C	100mm	400mm
ACC042C	42C	82C	Solvents Distillation	+95 to +255°C	0.5°C	100mm	400mm
ACC043C	43C	65C	Kinematic Viscosity	-51.6 to -34°C	0.1°C	TOTAL	425mm
ACC043F	43F	65F	Kinematic Viscosity	-61 to -29°F	0.2°F	TOTAL	425mm
ACC044C	44C	29C	Kinematic Viscosity	+18.6 to +21.4°C	0.05°C	TOTAL	310mm
ACC044F	44F	29F	Kinematic Viscosity	+66.5 to +71.5°F	0.1°F	TOTAL	310mm
ACC045C	45C	30C	Kinematic Viscosity	+23.6 to +26.4°C	0.05°C	TOTAL	310mm
ACC045F	45F	30F	Kinematic Viscosity	+74.5 to +79.5°F	0.1°F	TOTAL	310mm
ACC046C	46C	66C	Kinematic Viscosity	+48.6 to +51.4°C	0.05°C	TOTAL	310mm
ACC046F	46F	66F	Kinematic Viscosity	+119.5 to +124.5°F	0.1°F	TOTAL	310mm
ACC047C	47C	35C	Kinematic Viscosity	+58.6 to +61.4°C	0.05°C	TOTAL	310mm
ACC047F	47F	35F	Kinematic Viscosity	+137.5 to +142.5°F	0.1°F	TOTAL	310mm
ACC048C	48C	90C	Kinematic Viscosity	+80.6 to +83.4°C	0.05°C	TOTAL	310mm
ACC048F	48F	-	Kinematic Viscosity	+177.5 to +182.5°F	0.1°F	TOTAL	310mm
ACC049C	49C	-	Stormer Viscosity	+20 to +70°C	0.2°C	65mm	310mm
ACC050F	50F	-	Gas Colorimeter Inlet	+54 to +101°F	0.1°F	TOTAL	473mm
ACC051F	51F	-	Gas Colorimeter Outlet	+69 to +116°F	0.1°F	TOTAL	473mm
ACC052C	52C	-	Butane Boiling Point Range	-10 to +5°C	0.1°C	TOTAL	167mm
ACC053C	53C	-	Benzene Freezing Point	-0.6 to 10.4°C	0.1°C	TOTAL	189mm
ACC054C	54C	18C	Congeaing Point	+20 to +100.6°C	0.2°C	TOTAL	315mm
ACC054F	54F	18F	Congeaing Point	+68 to +213°F	0.5°F	TOTAL	315mm
ACC056C	56C	-	Bomb Calorimeter	+19to+35°C	0.02°C	TOTAL	600mm
ACC056F	56F	-	Bomb Calorimeter	+66 to +95°F	0.05°F	TOTAL	600mm
ACC057C	57C	-	Tag Closed Tester Low Range	-20 to +50°C	0.5°C	57mm	292mm
ACC057F	57F	-	Tag Closed Tester Low Range	-4 to +122°F	1.0°F	57mm	292mm
ACC058C	58C	-	Tank	-34 to +49°C	0.5°C	TOTAL	305mm
ACC058F	58F	-	Tank	-30 to +120°F	1.0°F	TOTAL	305mm
ACC059C	59C	-	Tank	-18 to +82°C	0.5°C	TOTAL	305mm
ACC059F	59F	-	Tank	0 to +180°F	1.0°F	TOTAL	305mm
ACC060C	60C	-	Tank	+77 to +260°C	1.0°C	TOTAL	305mm
ACC060F	60F	-	Tank	+170 to +500°F	2.0°F	TOTAL	305mm

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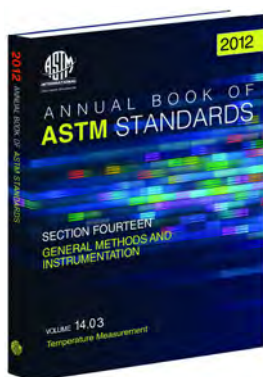
CATALOG No.	ASTM No.	IP Equiv	Name	Range	Divisions	Immersion	Length
ACC061C	61C	63C	Petrolatum Melting Point	+32 to +127°C	0.2°C	79mm	385mm
ACC061F	61F	-	Petrolatum Melting Point	+90 to +260°F	0.5°F	79mm	385mm
ACC062C	62C	-	Precision	-38 to +2°C	0.1°C	TOTAL	384mm
ACC062F	62F	-	Precision	-36 to +35°F	0.2°F	TOTAL	384mm
ACC063C	63C	-	Precision	-8 to +32°C	0.1°C	TOTAL	384mm
ACC063F	63F	-	Precision	+18 to +89°F	0.2°F	TOTAL	384mm
ACC064C	64C	-	Precision	+25 to +55°C	0.1°C	TOTAL	384mm
ACC064F	64F	-	Precision	+77 to +131°F	0.2°F	TOTAL	384mm
ACC065C	65C	-	Precision	+50 to +80°C	0.1°C	TOTAL	384mm
ACC065F	65F	-	Precision	+122 to +176°F	0.2°F	TOTAL	384mm
ACC066C	66C	-	Precision	+75 to +105°C	0.1°C	TOTAL	384mm
ACC066F	66F	-	Precision	+167 to +221°F	0.2°F	TOTAL	384mm
ACC067C	67C	-	Precision	+95 to +155°C	0.2°C	TOTAL	384mm
ACC067F	67F	-	Precision	+203 to +311 °F	0.5°F	TOTAL	384mm
ACC068C	68C	-	Precision	+145 to +205°C	0.2°C	TOTAL	384mm
ACC068F	68F	-	Precision	+293 to +401°F	0.5°F	TOTAL	384mm
ACC069C	69C	-	Precision	+195 to +305°C	0.5°C	TOTAL	384mm
ACC069F	69F	-	Precision	+383 to +581°F	1.0°F	TOTAL	384mm
ACC070C	70C	-	Precision	+295 to +405°C	0.5°C	TOTAL	384mm
ACC070F	70F	-	Precision	+563 to +761°F	1.0°F	TOTAL	384mm
ACC071C	71C	72C	Oil In Wax	-37 to +21°C	0.5°C	76mm	360mm
ACC071F	71F	72F	Oil In Wax	-35 to +70°F	1.0°F	76mm	360mm
ACC072C	72C	67C	Kinematic Viscosity	-19.4 to -16.6°C	0.05°C	TOTAL	310mm
ACC072F	72F	67F	Kinematic Viscosity	-2.5 to +2.5°F	0.1°F	TOTAL	310mm
ACC073C	73C	68C	Kinematic Viscosity	-41.4 to -38.6°C	0.05°C	TOTAL	310mm
ACC073F	73F	68F	Kinematic Viscosity	-42.5 to -37.5°F	0.1°F	TOTAL	310mm
ACC074C	74C	69C	Kinematic Viscosity	-55.4 to -52.6°C	0.05°C	TOTAL	310mm
ACC074F	74F	69F	Kinematic Viscosity	-67.5 to -62.5°F	0.1°F	TOTAL	310mm
ACC075F	75F	-	Coolant (Anti-Freeze) Freezing Point	-35 to +35°F	0.5°F	100mm	413mm
ACC076F	76F	-	Coolant (Anti-Freeze) Freezing Point	-65 to +5°F	0.5°F	100mm	413mm
ACC077F	77F	-	Saybolt Viscosity	+245 to +265°F	0.5°F	TOTAL	280mm
ACC078F	78F	-	Saybolt Viscosity	+295 to +315°F	0.5°F	TOTAL	280mm
ACC079F	79F	-	Saybolt Viscosity	+345 to +365°F	0.5°F	TOTAL	280mm
ACC080F	80F	-	Saybolt Viscosity	+395 to +415°F	0.5°F	TOTAL	280mm
ACC081F	81F	-	Saybolt Viscosity	+445 to +465°F	0.5°F	TOTAL	280mm
ACC082C	82C	-	Fuel Rating, Engine	-15 to +105°C	1.0°C	30mm	165mm
ACC082F	82F	-	Fuel Rating, Engine	0 to +220°F	2.0°F	30mm	165mm
ACC083C	83C	-	Fuel Rating, Air	+15 to +70°C	1.0°C	40mm	174mm
ACC083F	83F	-	Fuel Rating, Air	+60 to +160°F	1.0°F	40mm	174mm
ACC084C	84C	-	Fuel Rating, Orifice Tank	+25 to +80°C	1.0°C	249mm	387mm
ACC084F	84F	-	Fuel Rating, Orifice Tank	+75 to +175°F	1.0°F	249mm	387mm
ACC085C	85C	-	Fuel Rating, Surge	+40 to +150°C	1.0°C	181mm	314mm
ACC085F	85F	-	Fuel Rating, Surge	+100 to +300°F	2.0°F	181mm	314mm
ACC086C	86C	-	Fuel Rating, Mix	+95 to +175°C	1.0°C	35mm	170mm
ACC086F	86F	-	Fuel Rating, Mix	+200 to +350°F	2.0°F	35mm	170mm
ACC087C	87C	-	Fuel Rating, Coolant	+150 to +205°C	1.0°C	40mm	175mm
ACC087F	87F	-	Fuel Rating, Coolant	+300 to +400°F	1.0°F	40mm	175mm
ACC088C	88C	-	Vegetable Oil Flash	+10 to +200°C	1.0°C	57mm	292mm
ACC088F	88F	-	Vegetable Oil Flash	+50 to +392°F	2.0°F	57mm	292mm
ACC089C	89C	-	Solidification Point	-20 to +10°C	0.1°C	76mm	375mm
ACC090C	90C	-	Solidification Point	0 to +30°C	0.1°C	76mm	375mm
ACC091C	91C	-	Solidification Point	+20 to +50°C	0.1°C	76mm	375mm
ACC092C	92C	-	Solidification Point	+40 to +70°C	0.1°C	76mm	375mm
ACC093C	93C	-	Solidification Point	+60 to +90°C	0.1°C	76mm	375mm
ACC094C	94C	-	Solidification Point	+80 to +110°C	0.1°C	76mm	375mm

CATALOG No.	ASTM No.	IP Equiv	Name	Range	Divisions	Immersion	Length
ACC095C	95C	-	Solidification Point	+100 to +130°C	0.1°C	76mm	375mm
ACC096C	96C	-	Solidification Point	+120 to +150°C	0.1°C	76mm	375mm
ACC097C	97C	-	Tank	-18 to +49°C	0.5°C	TOTAL	305mm
ACC097F	97F	-	Tank	0 to +120°F	1.0°F	TOTAL	305mm
ACC098C	98C	-	Tank	+16 to +82°C	0.5°C	TOTAL	305mm
ACC098F	98F	-	Tank	+60 to +180°F	1.0°F	TOTAL	305mm
ACC099C	99C	-	Weathering Test	-50 to +5°C	0.2°C	35mm	305mm
ACC099F	99F	-	Weathering Test	-58 to +41°F	0.5°F	35mm	305mm
ACC100C	100C	-	Solidification Point	+145 to +205°C	0.2°C	76mm	375mm
ACC101C	101C	-	Solidification Point	+195 to +305°C	0.5°C	76mm	375mm
ACC102C	102C	83C	Solvents Distillation	+123 to +177°C	0.2°C	100mm	400mm
ACC103C	103C	84C	Solvents Distillation	+148 to +202°C	0.2°C	100mm	400mm
ACC104C	104C	85C	Solvents Distillation	+173 to +227°C	0.2°C	100mm	400mm
ACC105C	105C	86C	Solvents Distillation	+198 to +252°C	0.2°C	100mm	400mm
ACC106C	106C	87C	Solvents Distillation	+223 to +277°C	0.2°C	100mm	400mm
ACC107C	107C	88C	Solvents Distillation	+248 to +302°C	0.2°C	100mm	400mm
ACC108F	108F	-	Saybolt Viscosity	+270 to +290°F	0.5°F	TOTAL	280mm
ACC109F	109F	-	Saybolt Viscosity	+320 to +340°F	0.5°F	TOTAL	280mm
ACC110C	110C	93C	Kinematic Viscosity	+133.6 to +136.4°C	0.05°C	TOTAL	310mm
ACC110F	110F	-	Kinematic Viscosity	+272.5 to +277.5°F	0.1°F	TOTAL	310mm
ACC111C	111C	-	Tar Acid Distillation	+170 to +250°C	0.2°C	100mm	400mm
ACC112C	112C	-	Solidification Point Of Benzene	+4 to +6°C	0.02°C	TOTAL	220mm
ACC113C	113C	89C	Bitumen Softening Point Wide Range	-1 to +175°C	0.5°C	TOTAL	410mm
ACC113F	113F	89F	Bitumen Softening Point Wide Range	+30 to +350°F	1.0°F	TOTAL	410mm
ACC114C	114C	14C	Aviation Fuel Freezing Pt (red spirit filled)	-80 to +20°C	0.5°C	TOTAL	305mm
ACC115C	115C	-	Enclosed scale beckman type	5 OR 6°C	0.01°C	-	640mm
ACC116C	116C	-	Bomb Calorimeter	+18.9 to +25.1°C	0.01°C	TOTAL	614mm
ACC117C	117C	-	Bomb Calorimeter	+23.9 to +30.1°C	0.01°C	TOTAL	614mm
ACC118C	118C	-	Kinematic Viscosity	+28.6 to +31.4°C	0.05°C	TOTAL	310mm
ACC118F	118F	-	Kinematic Viscosity	+83.5 to +88.5°F	0.1°F	TOTAL	310mm
ACC119C	119C	-	Coolant (Anti-Freeze) Freezing Point	-38.3 to -30°C	0.1°C	100mm	425mm
ACC119F	119F	-	Coolant (Anti-Freeze) Freezing Point	-37 to -22°F	0.2°F	100mm	425mm
ACC120C	120C	92C	Kinematic Viscosity	38.6 to +41.4°C	0.05°C	TOTAL	310mm
ACC121C	121C	32C	Kinematic Viscosity	+98.6 to +101.4°C	0.05°C	TOTAL	310mm
ACC122C	122C	94C	Brookfield Viscosity	-45 to -35°C	0.1°C	TOTAL	305mm
ACC123C	123C	95C	Brookfield Viscosity	-35 to -25°C	0.1°C	TOTAL	305mm
ACC124C	124C	96C	Brookfield Viscosity	-25 to -15°C	0.1°C	TOTAL	305mm
ACC125C	125C	97C	Brookfield Viscosity	-15 to -5°C	0.1°C	TOTAL	305mm
ACC126C	126C	71C	Kinematic Viscosity	-27.4 to -24.6°C	0.05°C	TOTAL	310mm
ACC126F	126F	71F	Kinematic Viscosity	-17.5 to -12.5°F	0.1°F	TOTAL	310mm
ACC127C	127C	99C	Kinematic Viscosity	-21.4 to -18.6°C	0.05°C	TOTAL	310mm
ACC128C	128C	33C	Kinematic Viscosity	-1.4 to +1.4°C	0.05°C	TOTAL	310mm
ACC128F	128F	33F	Kinematic Viscosity	+29.5 to +34.5°F	0.1°F	TOTAL	310mm
ACC129C	129C	36C	Kinematic Viscosity	+91.6 to +94.4°C	0.05°C	TOTAL	310mm
ACC129F	129F	36F	Kinematic Viscosity	+197.5 to +202.5°F	0.1°F	TOTAL	310mm
ACC130C	130C	-	Tank	-7 to +105°C	0.5°C	TOTAL	305mm
ACC130F	130F	-	Tank	+20 to +220°F	1.0°F	TOTAL	305mm
ACC132C	132C	102C	Kinematic Viscosity	+148.6 to +151.4°C	0.05°C	TOTAL	310mm
ACC133C	133C	-	Precision	-38 to +2°C	0.1°C	76mm	384mm
ACC134C	134C	-	Sludge	+144 to +156°C	0.2°C	100mm	270mm
ACC135C	135C	-	Fuel Rating Air High	+38 to +93°C	1.0°C	40mm	168mm
ACC135F	135F	-	Fuel Rating Air High	+100 to +200°F	1.0°F	40mm	168mm
ACC136C	136C	-	Aviation Fuel Density	- 20 to +60°C	0.2°C	TOTAL	285mm
ACC136F	136F	-	Aviation Fuel Density	- 5 to +140°F	0.5°C	TOTAL	285mm
ACC137C	137C	-	Oxidation Cell Test	+80 to +100°C	0.1°C	76mm	250mm

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ASTM Certified Thermometers



ASTM Certified Thermometers

Methods used in the calibration of these instruments are indicated in E1-07

Table 1

CATALOG No.	ASTM No.	Certified Temperatures
ACC001CFC	1C	-20°, 0°, 50°, 100°, 150°C
ACC001FFC	1F	0°, 32°, 122°, 212°, 302°F
ACC002CFC	2C	0°, 75°, 150°, 225°, 300°C
ACC002FFC	2F	32°, 150°, 300°, 450°, 580°F
ACC003CFC	3C	0°, 100°, 200°, 300°, 370°C
ACC003FFC	3F	32°, 200°, 370°, 540°, 700°F
ACC004CFC	4C	0°, 50°, 100°C
ACC004FFC	4F	32°, 122°, 212°F
ACC005CFC	5C	-35°, 0°, 50°C
ACC005FFC	5F	-30°, 32°, 120°F
ACC006CFC	6C	-70°, -35°, 0°, 20°C
ACC006FFC	6F	-94°, -30°, 32°, 70°F
ACC007CFC	7C	0°, 50°, 100°, 150°, 200°, 250°, 300°C
ACC007FFC	7F	32°, 100°, 200°, 300°, 400°, 500°, 570°F
ACC008CFC	8C	0°, 100°, 200°, 300°, 370°C
ACC008CFC	8F	32°, 200°, 370°, 540°, 700°F
ACC009CFC	9C	0°, 35°, 70°, 105°C
ACC009FFC	9F	32°, 100°, 160°, 220°F
ACC010CFC	10C	100°, 200°, 300°, 370°C
ACC010FFC	10F	212°, 390°, 570°, 700°F
ACC011CFC	11C	0°, 100°, 200°, 300°, 370°C
ACC011FFC	11F	32°, 200°, 370°, 540°, 700°F
ACC012CFC	12C	-20°, -10°, 0°, 10°, 20°, 30°, 40°, 50°, 60°, 70°, 80°, 90°, 100°C
ACC012FFC	12F	-5°, 15°, 32°, 60°, 85°, 110°, 135°, 160°, 185°, 210°F
ACC013CFC	13C	155°, 163°, 170°C
ACC014CFC	14C	40°, 50°, 60°, 70°, 80°C
ACC014FFC	14F	100°, 120°, 140°, 160°, 180°F
ACC015CFC	15C	0°, 20°, 40°, 60°, 80°C
ACC015FFC	15F	32°, 70°, 100°, 140°, 180°F
ACC016CFC	16C	30°, 60°, 90°, 120°, 150°, 180°, 200°C
ACC016FFC	16F	90°, 140°, 190°, 240°, 290°, 340°, 390°F
ACC017CFC	17C	21°, 25°C
ACC017FFC	17F	70°, 77°F
ACC018CFC	18C	38°, 41°C
ACC018FFC	18F	100°, 107°F

ACC019CFC	19C	50°, 54°C
ACC019FFC	19F	122°, 130°F
ACC020CFC	20C	60°, 64°C
ACC020FFC	20F	140°, 147°F
ACC021CFC	21C	82°, 86°C
ACC021FFC	21F	180°, 187°F
ACC022CFC	22C	99°, 102°C
ACC022FFC	22F	210°, 212°F
ACC023CFC	23C	20°, 25°C
ACC024CFC	24C	40°, 50°C
ACC025CFC	25C	95°, 100°C
ACC026CFC	26C	130°, 135°, 140°C
ACC027CFC	27C	155°, 165°, 175°C
ACC028CFC	28C	0°, 37.8°, 39°C
ACC028FFC	28F	32°, 100°, 102°F
ACC029CFC	29C	0°, 54.4°, 55°C
ACC029FFC	29F	32°, 130°, 132°F
ACC030FFC	30F	32°, 210°, 212°F
ACC031FFC	31F	-20°, 32°, 100°F
ACC033CFC	33C	-35°, -20°, 0°, 20°, 40°C
ACC033FFC	33F	-31°, -4°, 32°, 68°, 104°F
ACC034CFC	34C	25°, 45°, 65°, 85°, 100°C
ACC034FFC	34F	77°, 113°, 149°, 185°, 212°F
ACC035CFC	35C	100°, 120°, 140°, 160°, 170°C
ACC035FFC	35F	212°, 250°, 285°, 320°, 338°F
ACC036CFC	36C	0°, 15°, 30°, 45°, 65°C
ACC037CFC	37C	0°, 15°, 30°, 50°C
ACC038CFC	38C	25°, 40°, 55°, 75°F
ACC039CFC	39C	50°, 65°, 80°, 100°C
ACC040CFC	40C	75°, 90°, 105°, 125°C
ACC041CFC	41C	100°, 115°, 130°, 150°C
ACC042CFC	42C	100°, 150°, 200°, 250°C
ACC043CFC	43C	-50°, -45°, -40°, -35°, 0°C
ACC043FFC	43F	-60°, -50°, -40°, -30°, 32°F
ACC044CFC	44C	0°, 20°, 2rC
ACC044FFC	44F	32°, 68°, 70°F
ACC045CFC	45C	0°, 25°, 26°C
ACC045FFC	45F	32°, 77°, 79°F
ACC046CFC	46C	0°, 50°, 51°C
ACC046FFC	46F	32°, 122°, 124°F
ACC047CFC	47C	0°, 60°, 61°C
ACC047FFC	47F	32°, 140°, 142°F
ACC048CFC	48C	0°, 82.2°, 83°C
ACC048FFC	48F	32°, 180°, 182°F
ACC049CFC	49C	20°, 35°, 50°, 70°C
ACC050FFC	50F	55°, 60°, 65°, 70°, 75°, 80°F
ACC051FFC	51F	70°, 75°, 80°, 85°, 90°, 95°F
ACC052CFC	52C	-10°, 0°, 5°C
ACC053CFC	53C	0°, 5°, 10°C
ACC054CFC	54C	20°, 50°, 75°, 100°C
ACC054FFC	54F	70°, 120°, 170°, 210°F
ACC056CFC	56C	19°, 21°, 23°, 25°, 27°, 29°, 31°, 33°, 35°C

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ACC056FFC	56F	66°, 70°, 74°, 78°, 82°, 88°, 92°, 95°F	ACC099CFC	99C	-46, -32°, -18°, 0°C
ACC057CFC	57C	-20°, 0°, 25°, 50°C	ACC099FFC	99F	-50°, -25°, 0°, 32°F
ACC057FFC	57F	-3°, 32°, 77°, 122°F	ACC100CFC	100C	145°, 165°, 185°, 205°C
ACC058CFC	58C	-30°, 0°, 25°, 45°C	ACC101CFC	101C	200°, 250°, 300°C
ACC058FFC	58F	-20°, 32°, 80°, 120°F	ACC102CFC	102C	125°, 140°, 155°, 175°C
ACC059CFC	59C	0°, 25°, 55°, 80°C	ACC103CFC	103C	150°, 165°, 180°, 200°C
ACC059FFC	59F	32°, 80°, 130°, 180°F	ACC104CFC	104C	175°, 190°, 205°, 225°C
ACC060CFC	60C	100°, 175°, 255°C	ACC105CFC	105C	200°, 215°, 230°, 250°C
ACC060FFC	60F	212°, 350°, 490°F	ACC106CFC	106C	225°, 240°, 255°, 275°C
ACC061CFC	61C	40°, 60°, 80°, 100°, 120°C	ACC107CFC	107C	250°, 265°, 280°, 300°C
ACC061FFC	61F	100°, 150°, 200°, 250°F	ACC108FFC	108C	275°, 285°C
ACC071CFC	71C	-35°, -18°, 0°, 20°C	ACC109FFC	109C	325°, 335°C
ACC071FFC	71F	-30°, 0°, 32°, 70°F	ACC110CFC	h0c	0°, 135°, 138°C
ACC072CFC	72C	-19°, 17.8°, 0°C	ACC110FFC	110F	32°, 275°, 277°C
ACC072FFC	72F	-2°, 0°, 32°F	ACC111CFC	me	170°, 200°, 250°C
ACC073CFC	73C	-41°, -40°, 0°C	ACC112CFC	112C	0°, 4°, 5°, 6°C
ACC073FFC	73F	-42°, -40°, 32°F	ACC113CFC	113C	0°, 50°, 100°, 150°, 175°C
ACC074CFC	74C	-55°, -53.9°, 0°C	ACC113FFC	113C	32°, 122°, 212°, 302°, 347°F
ACC074FFC	74F	-67°, -65°, 32°F	ACC114CFC	114C	-75°, -60°, -40°, 0°C
ACC075FFC	75F	-35°, 0°, 32°F	ACC114FFC	114F	-103°, -76°, -40°, 32°F
ACC076FFC	76F	-65°, -30°, 32°F	ACC116CFC	116C	19°, 20°, 21°, 22°, 23°, 24°, 25°C
ACC077FFC	77F	250°, 260° F	ACC117CFC	117C	24°, 25°, 26°, 27°, 28°, 29°, 30°C
ACC078FFC	78F	300°, 310°F	ACC118CFC	118C	0°, 30°, 31°C
ACC079FFC	79F	350°, 360°F	ACC118FFC	118F	32°, 86°, 88°F
ACC080FFC	80F	400°, 410°F	ACC119CFC	119C	-38°, -30°, 0°C
ACC081FFC	81F	450°, 460°F	ACC119FFC	119F	-36°, -22°, 32°F
ACC082CFC	82C	0°, 50°, 100°C	ACC120CFC	120C	0°, 40°, 41°C
ACC082FFC	82F	32°, 100°, 1200°F	ACC121CFC	121C	0°, 100°, 101°C
ACC083CFC	83C	25°, 70°C	ACC122CFC	122C	-45°, -40°, -35°C
ACC083FFC	83F	85°, 135°F	ACC123CFC	123C	-35°, -30°, -25°C
ACC084CFC	84C	30°, 80°C	ACC124CFC	124C	-25°, -20°, -15°C
ACC084FFC	84F	100°, 150°F	ACC125CFC	125C	-15°, -10°, -5°C
ACC085CFC	85C	50°, 150°C	ACC126CFC	126C	-27°, -26.1°, 0°C
ACC085FFC	85F	150°, 250°F	ACC126FFC	126F	-17°, -15°, 32°F
ACC086CFC	86C	100°, 175°C	ACC127CFC	127C	-21°, -20°, 0°C
ACC086FFC	86F	225°, 325°F	ACC128CFC	128C	0°, 1°C
ACC087CFC	87C	160°, 200°C	ACC128FFC	128F	32°, 34°F
ACC087FFC	87F	300°, 400°F	ACC129CFC	129C	0°, 93.3°, 94°C
ACC088CFC	88C	40°, 100°, 150°, 200°C	ACC129FFC	129F	32°, 200°, 202°F
ACC088FFC	88F	110°, 212°, 300°, 392°F	ACC130CFC	130C	0°, 35°, 70°, 105°C
ACC089CFC	89C	-20°, -10°, 0°, 10°C	ACC130FFC	130F	32°, 100°, 160°, 220°F
ACC090CFC	90C	0°, 10°, 20°, 30°C	ACC132CFC	132C	0°, 150°, 151°C
ACC091CFC	91C	20°, 30°, 40°, 50°C	ACC133CFC	133C	-24°, -18°, -12°, -6°, 0°F
ACC092CFC	92C	40°, 50°, 60°, 70°C	ACC134CFC	134C	145°, 150°, 155°C
ACC093CFC	93C	60°, 70°, 80°, 90°C	ACC135CFC	135C	50°, 90°C
ACC094CFC	94C	80°, 90°, 100°, 110°C	ACC135FFC	135F	125°, 195°F
ACC095CFC	95C	100°, 110°, 120°, 130°C	ACC136CFC	136C	-20°, -10°, 0°, 10°, 20°, 30°, 40°, 50°, 60°C
ACC096CFC	96C	120°, 130°, 140°, 150°C	ACC136FFC	136F	-5°, 15°, 32°, 60°, 85°, 110°, 135°F
ACC097CFC	97C	-15°, 0°, 20°, 45°C	ACC137CFC	137C	80°, 90°, 100°C
ACC097FFC	97F	0°, 32°, 70°, 110°F			
ACC098CFC	98C	20°, 40°, , 60°, 80°C			
ACC098FFC	98F	60°, 100°, 140°, 180°F			

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ASTM - Precision Factory Calibrated/Certified Thermometers



Precision ASTM Factory Calibrated / Certified Thermometers

are calibrated against NIST standards and comes with

a calibration document showing corrections to the nearest tenth of a scale division traceable to NIST. These thermometers meet with all prescribed ASTM requirements.

Each incorporates the ice point (0 or 32°F) as a reference point enabling the user to validate and update the calibration document to insure accurate temperature measurements over the life of the thermometers.

FEATURES:

- Each Thermometer is Calibrated Against NIST Standards
- Certified at 5 Temperatures with Correction Factors
- Traceable Calibration Document Included
- BLUE SPIRIT Range (-37 to 150°C) or (-35 to 310°F)
- MERCURY Range (-37 to 400°C) or (-35 to 760°F)

BLUE SPIRIT THERMOMETERS

CELSIUS SCALE - TOTAL IMMERSION - 400mm Length

CATALOG No.	ASTM No.	Range	Divisions	Calibrated (Certified) at
ACC062CBLSF	S62C	-38 to +2°C	0.1°C	-37°, -30°, -20°, -10°, 0°C
ACC063CBLSF	S63C	-8 to +32°C	0.1°C	-7°, 0°, 10°, 20°, 30°C
ACC064CBLSF	S64C	+25 to 55°C	0.1°C	0°, 25°, 35°, 45°, 55°C
ACC065CBLSF	S65C	-50 to 80°C	0.1°C	0°, 50°, 60°, 70°, 80°C
ACC066CBLSF	S66C	+75 to 105°C	0.1°C	0°, 75°, 85°, 95°, 105°C
ACC067CBLSF	S67C	+95 to 155°C	0.2°C	0°, 100°, 110°, 130°, 150°C

FAHRENHEIT SCALE - TOTAL IMMERSION - 400mm Length

CATALOG No.	ASTM No.	Range	Divisions	Calibrated (Certified) at
ACC062FBLSF	S62F	-36 to +35°F	0.2°F	-35°, -15°, 0°, 15°, 32°F
ACC063FBLSF	S63F	+18 to 89°F	0.2°F	20°, 32°, 50°, 70°, 88°F
ACC064FBLSF	S64F	+77 to 131°F	0.2°F	32°, 80°, 95°, 115°, 130°F
ACC065FBLSF	S65F	+122 to 176°F	0.2°F	32°, 125°, 145°, 160°, 175°F
ACC066FBLSF	S66F	+167 to 221°F	0.2°F	32°, 168°, 185°, 200°, 220°F
ACC067FBLSF	S67F	+206 to 311°F	0.5°F	32°, 205°, 240°, 275°, 310°F

ASTM Precision Certified Sets - Total & Partial Immersion

FEATURES:

- Each Set Has 9 Certified Thermometers
- Traceable Calibration Documents Included
- Sets in "C" (-37 to 400°C) or "F" (-35 to 760°F)
- Sets Packed in Protective Case
- Available in Complete Sets or Individual Units

Complete Sets of 9 ASTM Precision Factory Calibrated (Certified) Thermometers

CATALOG No.	ASTM No.	Immersion	Ranges Covered
ACC6270CFC	62C Through 70C	Total	-37 to 400°C
ACC6270FFC	62F Through 70F	Total	-35 to 760°F
ACC6270C4FC	62C Through 70C	Partial	-37 to 400°C
ACC6270F4FC	62F Through 70F	Partial	-35 to 760°F

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MERCURY THERMOMETERS

CELSIUS SCALE - TOTAL IMMERSION - 379mm Length

CATALOG No.	ASTM No.	Range	Divisions	Calibrated (Certified) at
ACC062CFC	62C	-38 to +2°C	0.1°C	-37°, -30°, -20°, -10°, 0°C
ACC063CFC	63C	-8 to 32°C	0.1°C	-7°, 0°, 10°, 20°, 30°C
ACC064CFC	64C	+25 to 55°C	0.1°C	0°, 25°, 35°, 45°, 55°C
ACC065CFC	65C	+50 to 80°C	0.1°C	0°, 50°, 60°, 70°, 80°C
ACC066CFC	66C	+75 to 105°C	0.1°C	0°, 75°, 85°, 95°, 105°C
ACC067CFC	67C	+95 to 155°C	0.2°C	0°, 100°, 110°, 130°, 150°C
ACC068CFC	68C	+145 to 205°C	0.2°C	0°, 150°, 170°, 190°, 205°C
ACC069CFC	69C	+195 to 305°C	0.5°C	0°, 200°, 235°, 270°, 305°C
ACC070CFC	70C	+295 to 405°C	0.5°C	0°, 300°, 335°, 370°, 400°C

CELSIUS SCALE - PARTIAL IMMERSION (104mm)

CATALOG No.	ASTM No.	Range	Divisions	Calibrated (Certified) at
ACC062C4FC	62C	-38 to +2°C	0.1°C	-37°, -30°, -20°, -10°, 0°C
ACC063C4FC	63C	-8 to 32°C	0.1°C	-7°, 0°, 10°, 20°, 30°C
ACC064C4FC	64C	+25 to 55°C	0.1°C	0°, 25°, 35°, 45°, 55°C
ACC065C4FC	65C	+50 to 80°C	0.1°C	0°, 50°, 60°, 70°, 80°C
ACC066C4FC	66C	+75 to 105°C	0.1°C	0°, 75°, 85°, 95°, 105°C
ACC067C4FC	67C	+95 to 155°C	0.2°C	0°, 100°, 110°, 130°, 150°C
ACC068C4FC	68C	+145 to 205°C	0.2°C	0°, 150°, 170°, 190°, 205°C
ACC069C4FC	69C	+195 to 305°C	0.5°C	0°, 200°, 235°, 270°, 305°C
ACC070C4FC	70C	+295 to 405°C	0.5°C	0°, 300°, 335°, 370°, 400°C

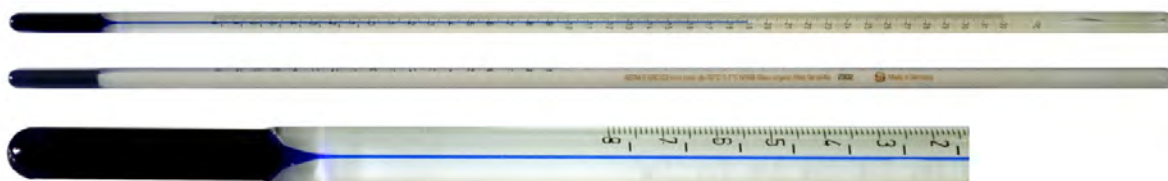
FAHRENHEIT SCALE - TOTAL IMMERSION - 379mm Length

CATALOG No.	ASTM No.	Range	Divisions	Calibrated (Certified) at
ACC062FFC	62F	-36 to 35°F	0.2°F	-35°, -15°, 0°, 15°, 32°F
ACC063FFC	63F	+18 to 89°F	0.2°F	20°, 32°, 50°, 70°, 88°F
ACC064FFC	64F	+77 to 131°F	0.2°F	32°, 80°, 95°, 115°, 130°F
ACC065FFC	65F	+122 to 176°F	0.2°F	32°, 125°, 145°, 160°, 175°F
ACC066FFC	66F	+167 to 221°F	0.2°F	32°, 168°, 185°, 200°, 220°F
ACC067FFC	67F	+203 to 311°F	0.5°F	32°, 205°, 240°, 275°, 310°F
ACC068FFC	68F	+293 to 401°F	0.5°F	32°, 300°, 340°, 370°, 400°F
ACC069FFC	69F	+383 to 581°F	1.0°F	32°, 400°, 460°, 520°, 580°F
ACC070FFC	70F	+563 to 761°F	1.0°F	32°, 570°, 640°, 700°, 760°F

FAHRENHEIT SCALE - PARTIAL IMMERSION (104mm)

CATALOG No.	ASTM No.	Range	Divisions	Calibrated (Certified) at
ACC062F4FC	62F	-36 to 35°F	0.2°F	-35°, -15°, 0°, 15°, 32°F
ACC063F4FC	63F	+18 to 89°F	0.2°F	20°, 32°, 50°, 70°, 88°F
ACC064F4FC	64F	+77 to 131°F	0.2°F	32°, 80°, 95°, 115°, 130°F
ACC065F4FC	65F	+122 to 176°F	0.2°F	32°, 125°, 145°, 160°, 175°F
ACC066F4FC	66F	+167 to 221°F	0.2°F	32°, 168°, 185°, 200°, 220°F
ACC067F4FC	67F	+203 to 311°F	0.5°F	32°, 205°, 240°, 275°, 310°F
ACC068F4FC	68F	+293 to 401°F	0.5°F	32°, 300°, 340°, 370°, 400°F
ACC069F4FC	69F	+383 to 581°F	1.0°F	32°, 400°, 460°, 520°, 580°F
ACC070F4FC	70F	+563 to 761°F	1.0°F	32°, 570°, 640°, 700°, 760°F

ASTM APPROVED - Blue Spirit Thermometers



ASTM APPROVED - Blue Spirit Thermometers

ASTM PRECISIONS

CATALOG No.	ASTM No	Name	Range	Divisions	Immersion	Length
ACC062CBLS	0S62C	PRECISION	-38 to +2°C	0.1°C	TOTAL	400mm
ACC062FBLS	0S62F	PRECISION	-36 to +35°F	0.2°F	TOTAL	400mm
ACC063CBLS	0S63C	PRECISION	-8 to +32°C	0.1°C	TOTAL	400mm
ACC063FBLS	0S63F	PRECISION	+18 to 89°F	0.2°F	TOTAL	400mm
ACC064CBLS	0S64C	PRECISION	+25 to 55°C	0.1°C	TOTAL	400mm
ACC064FBLS	0S64F	PRECISION	+77 to 131°F	0.2°F	TOTAL	400mm
ACC065CBLS	0S65C	PRECISION	-50 to 80°C	0.1°C	TOTAL	400mm
ACC065FBLS	0S65F	PRECISION	+122 to 176°F	0.2°F	TOTAL	400mm
ACC066CBLS	0S66C	PRECISION	+75 to 105°C	0.1°C	TOTAL	400mm
ACC066FBLS	0S66F	PRECISION	+167 to 221°F	0.2°F	TOTAL	400mm
ACC067CBLS	0S67C	PRECISION	+95 to 155°C	0.2°C	TOTAL	400mm
ACC067FBLS	0S67F	PRECISION	+206 to 311°F	0.5°F	TOTAL	400mm

ASTM APPLICATIONS

CATALOG No.	ASTM No	Name	Range	Divisions	Immersion	Length
ACC005CBLS	S5C	Cloud & Pour	-38 to 50°C	1.0°C	108mm	235mm
ACC005FBLS	S5F	Cloud & Pour	-36 to +120°F	2.0°F	108mm	235mm
ACC012CBLS	S12C	Gravity	-20 to 102°C	0.2°C	TOTAL	425mm
ACC012FBLS	S12F	Gravity	-5 to 215°F	0.5°F	TOTAL	425mm
ACC015CBLS	S15C	Low Softening Point	-2 to 80°C	0.2°C	TOTAL	400mm
ACC015FBLS	S15F	Low Softening Point	+30 to 180°F	0.5°F	TOTAL	400mm
ACC018CBLS	S18C	Saybolt Viscosity	+34 to 42°C	0.1°C	TOTAL	280mm
ACC018FBLS	S18F	Saybolt Viscosity	+94 to 108°F	0.2°F	TOTAL	280mm
ACC022CBLS	S22C	Saybolt Viscosity	+98 to 103°C	0.1°C	TOTAL	280mm
ACC022FBLS	S22F	Saybolt Viscosity	+204 to 218°F	0.2°F	TOTAL	280mm
ACC056CBLS	S56C	Bomb Calorimeter	+19 to 35°C	0.02°C	TOTAL	600mm
ACC056FBLS	S56F	Bomb Calorimeter	+66 to 95°F	0.05°F	TOTAL	600mm
ACC058CBLS	S58C	Tank	-34 to +49°C	0.5°C	TOTAL	305mm
ACC058FBLS	S58F	Tank	-30 to +120°F	1.0°F	TOTAL	305mm
ACC059CBLS	S59C	Tank	-18 to +82°C	0.5°C	TOTAL	305mm
ACC059FBLS	S59F	Tank	0 to 180°F	1.0°F	TOTAL	305mm
ACC091CBLS	S91C	Solidification	+20 to 50°C	0.1°C	76mm	375mm
ACC116CBLS	S116C	Bomb Calorimeter	+18.9 to 25.1°C	0.01°C	TOTAL	614mm
ACC117CBLS	S117C	Bomb Calorimeter	+23.9 to 30.1°C	0.01°C	TOTAL	614mm
ACC120CBLS	S120C	Kinimatic Viscosity	+38.6 to 41.4°C	0.05°C	TOTAL	310mm
ACC130CBLS	S130C	Tank	-7 to +105°C	0.5°C	TOTAL	305mm
ACC130FBLS	S130F	Tank	+20 to 220°F	1.0°F	TOTAL	305mm

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CATALOG NO.	ASTM No	Name	Range	Divisions	Immersion	Length
ACC001CBLS	S1C	Partial Immersion	-20 to 150°C	1.0°C	76mm	327mm
ACC001FBLS	S1F	Partial Immersion	0 to 302°F	2.0°F	76mm	327mm
ACC005CBLS	S5C	Cloud & Pour	-38 to 50°C	1.0°C	108mm	235mm
ACC005FBLS	S5F	Cloud & Pour	-36 to 120°F	2.0°F	108mm	235mm
ACC009CBLS	S9C	Low Pensky-Martens	-5 to 110°C	0.5°C	57mm	295mm
ACC009FBLS	S9F	Low Pensky-Martens	+20 to 230°F	1.0°F	57mm	295mm
ACC014CBLS	S14C	Wax Melting Point	+38 to 82°C	0.1°C	79mm	380mm
ACC014FBLS	S14F	Wax Melting Point	+100 to 180°F	0.2°F	79mm	380mm
ACC015CBLS	S15C	Low Softening Point	-2 to 80°C	0.2°C	TOTAL	400mm
ACC015FBLS	S15F	Low Softening Point	+30 to 180°F	0.5°F	TOTAL	400mm
ACC016CBLS	S16C	High Softening Point	+30 to 200°C	1.0°C	TOTAL	400mm
ACC016FBLS	S16F	High Softening Point	+85 to 392°F	1.0°F	TOTAL	400mm
ACC017CBLS	S17C	Saybolt Viscosity	+19 to 27°C	0.1°C	TOTAL	280mm
ACC017FBLS	S17F	Saybolt Viscosity	+66 to 80°F	0.2°F	TOTAL	280mm
ACC019CBLS	S19C	Saybolt Viscosity	+49 to 57°C	0.1°C	TOTAL	280mm
ACC019FBLS	S19F	Saybolt Viscosity	+120 to 134°F	0.2°F	TOTAL	280mm
ACC020CBLS	S20C	Saybolt Viscosity	+57 to 65°C	0.1°C	TOTAL	280mm
ACC020FBLS	S20F	Saybolt Viscosity	+134 to 148°F	0.2°F	TOTAL	280mm
ACC021CBLS	S21C	Saybolt Viscosity	+79 to 87°C	0.1°C	TOTAL	280mm
ACC021FBLS	S21F	Saybolt Viscosity	+174 to 188	0.2°F	TOTAL	280mm
ACC033CBLS	S33C	Low Aniline Point	-38 to 42°C	0.2°C	50mm	425mm
ACC033FBLS	S33F	Low Aniline Point	-36.5 to 107.5°F	0.5°F	50mm	425mm
ACC034CBLS	S34C	Medium Aniline Point	+25 to 105°C	0.2°C	50mm	425mm
ACC034FBLS	S34F	Medium Aniline Point	+77 to 221°F	0.5°F	50mm	425mm
ACC036CBLS	S36C	Titer Test	-2 to 68°C	0.2°C	45mm	410mm
ACC037CBLS	S37C	Solvents Distillation	-2 to 52°C	0.2°C	100mm	400mm
ACC038CBLS	S38C	Solvents Distillation	+24 to 78°C	0.2°C	100mm	400mm
ACC039CBLS	S39C	Solvents Distillation	+48 to 102°C	0.2°C	100mm	400mm
ACC040CBLS	S40C	Solvents Distillation	+72 to 126°C	0.2°C	100mm	400mm
ACC042CBLS	S42C	Solvents Distillation	+95 to 255°C	0.5°C	100mm	400mm
ACC049CBLS	S49C	Stormer Viscosity	+20 to 70°C	0.2°C	65mm	310mm
ACC052CBLS	S52C	Butadiene Boiling Point Range	-10 to 5°C	0.1°C	TOTAL	167mm
ACC054CBLS	S54C	Congealing Point	+20 to 100.6°C	0.2°C	TOTAL	315mm
ACC054FBLS	S54F	Congealing Point	+68 to 213°F	0.5°F	TOTAL	315mm
ACC057CBLS	S57C	Tag Closed Tester Low Range	-20 to 50°C	0.5°C	57mm	292mm
ACC057FBLS	S57F	Tag Closed Tester Low Range	-4 to 122°F	1.0°F	57mm	292mm
ACC061CBLS	S61C	Petrolatum Melting Point	+32 to 127°C	0.2°C	79mm	385mm
ACC061FBLS	S61F	Petrolatum Melting Point	+90 to 260°F	0.5°F	79mm	385mm
ACC082CBLS	S82C	Fuel Rating, Engine	-15 to 105°C	1.0°C	30mm	165mm
ACC082FBLS	S82F	Fuel Rating, Engine	0 to 220°F	2.0°F	30mm	165mm
ACC083CBLS	S83C	Fuel Rating, Air	+15 to 70°C	1.0°C	40mm	174mm
ACC083FBLS	S83F	Fuel Rating, Air	+60 to 160°F	1.0°F	40mm	174mm
ACC084CBLS	S84C	Fuel Rating, Orifice Tank	+25 to 80°C	1.0°C	249mm	387mm
ACC084FBLS	S84F	Fuel Rating, Orifice Tank	+75 to 175°F	1.0°F	249mm	387mm
ACC085CBLS	S85C	Fuel Rating, Surge	+40 to 150°C	1.0°C	181mm	314mm
ACC085FBLS	S85F	Fuel Rating, Surge	+100 to 300°F	2.0°F	181mm	314mm
ACC086CBLS	S86C	Fuel Rating, Mix	+95 to 175°C	1.0°C	35mm	170mm
ACC086FBLS	S86F	Fuel Rating, Mix	+200 to 350°F	2.0°F	35mm	170mm
ACC088CBLS	S88C	Vegetable Oil Flash	+10 to 200°C	1.0°C	57mm	292mm
ACC088FBLS	S88F	Vegetable Oil Flash	+50 to 392°F	2.0°F	57mm	292mm
ACC089CBLS	S89C	Solidification Point	-20 to 10°C	0.1°C	76mm	375mm
ACC090CBLS	S90C	Solidification Point	0 to 30°C	0.1°C	76mm	375mm
ACC097CBLS	S97C	Tank	-18 to 49°C	0.5°C	TOTAL	305mm
ACC097FBLS	S97F	Tank	0 to 120°F	0.5°F	TOTAL	305mm
ACC098CBLS	S98C	Tank	+16 to 82°C	0.5°C	TOTAL	305mm
ACC098FBLS	S98F	Tank	+60 to 180°F	1.0°F	TOTAL	305mm
ACC099CBLS	S99C	Weathering Test	-50 to 5°C	0.2°C	35mm	305mm
ACC099FBLS	S99F	Weathering Test	-58 to 41°F	0.5°F	35mm	305mm
ACC113CBLS	S113C	Bitumen Softening Point Wide Range	-1 to 175°C	0.5°C	TOTAL	410mm
ACC113FBLS	S113F	Bitumen Softening Point Wide Range	+30 to 350°F	1.0°F	TOTAL	410mm

Call: 973.300.9100

e-mail: Info@ThermcoProducts.com



“SCOOP-MASTER” CUP CASE THERMOMETER Total Immersion

The “Scoop-Master” Thermometer is molded from heat resistant plastic, impervious to the chemical action of petroleum products and hydrocarbons.

The case is non-sparking and has a 120ml capacity cup, which meets ASTM and API requirements.

The thermometer is mounted with spring clips.

All thermometers are made in accordance to ASTM strict specifications.

“SCOOP-MASTER” CUP CASE THERMOMETER

Total Immersion

CATALOG No.	Thermometer Refill No.	Range	Division	Length
ACC272S1	ACC05SF	-30 to 120°F	1.0°F	355mm
ACC272S2	ACC059F	0 to 180°F	1.0°F	355mm
ACC272S3	ACC130F	20 to 220°F	1.0°F	355mm
ACC273S1	ACC058C	-34 to +49°C	0.5°C	355mm
ACC273S2	ACC059C	-18 to 82°C	0.5°C	355mm
ACC273S3	ACC130C	-7 to 105°C	0.5°C	355mm
ACC272CASE	Case only			

“WOODBAC” CUP CASE THERMOMETER Total Immersion

The Wood-Back Thermometers were designed with a non-sparking brass cup which holds which holds 100ml of liquid, which meets with both ASTM and API requirements.

The thermometer is held in place with spring clips.

The hardwood is lacquered to prevent absorption from the sample.

All thermometers are made in accordance to ASTM strict specifications.

WOODBAC CUP CASE THERMOMETER

Total Immersion

CATALOG No.	Thermometer Refill No.	Range	Division	Length
ACC272WB1	ACC058F	-30 to 120°F	1.0°F	355mm
ACC272WB2	ACC059F	0 to 180°F	1.0°F	355mm
ACC272WB3	ACC130F	20 to 220°F	1.0°F	355mm
ACC272WB4	ACC060F	170 to 500°F	2.0°F	355mm
ACC273WB1	ACC058C	-34 to +49°C	0.5°C	355mm
ACC273WB2	ACC059C	-18 to 82°C	0.5°C	355mm
ACC273WB3	ACC130C	-7 to 105°C	0.5°C	355mm
ACC273WB4	ACCO60C	77 to 260°C	1.0°F	355mm
ACCWB	Case only			





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PETROLEUM GOLD BRAND - Hydrometers

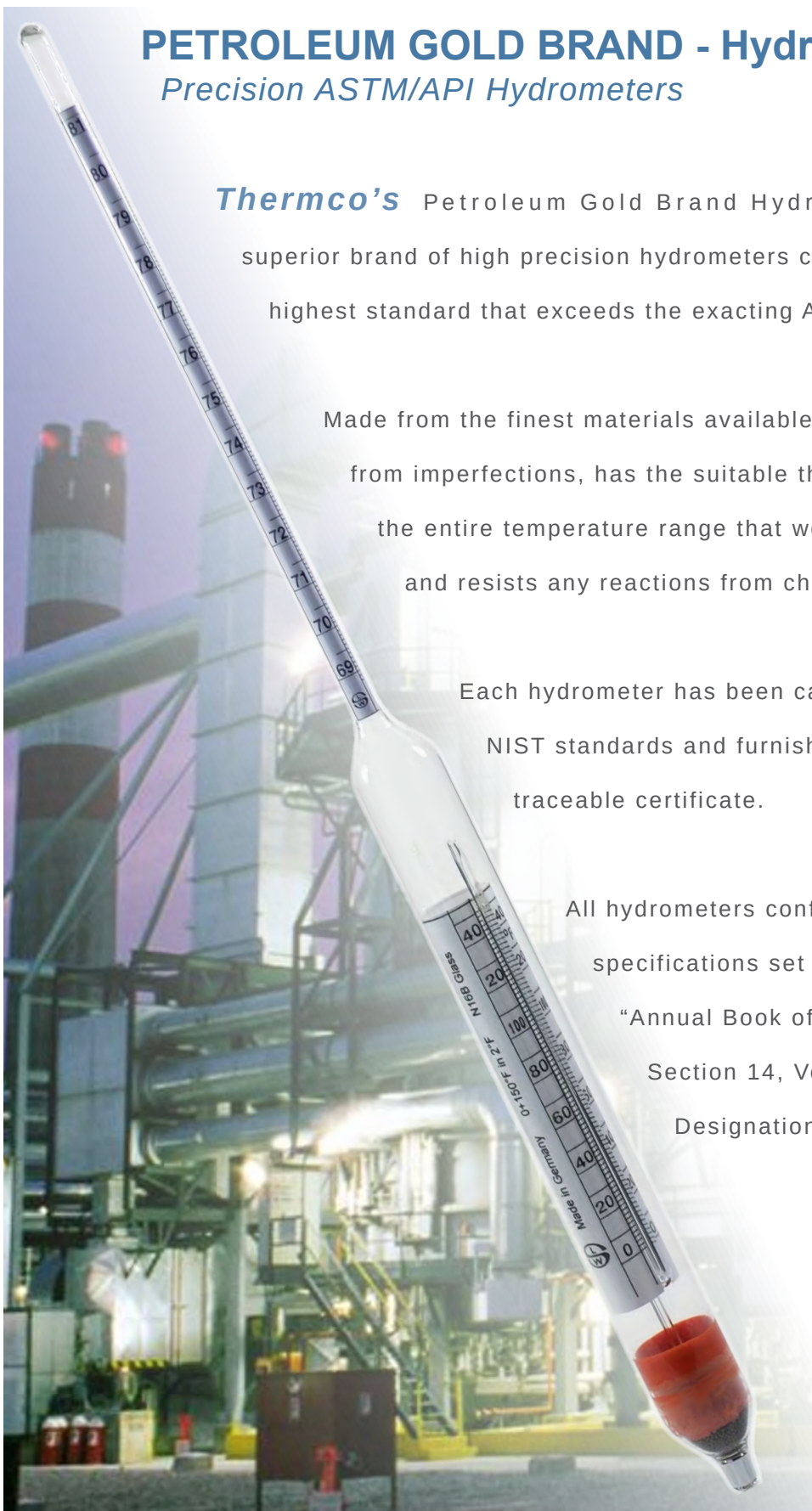
Precision ASTM/API Hydrometers

Thermco's Petroleum Gold Brand Hydrometers are a superior brand of high precision hydrometers calibrated to the highest standard that exceeds the exacting ASTM standards.

Made from the finest materials available; the glass is free from imperfections, has the suitable thermal properties for the entire temperature range that would be subjected and resists any reactions from chemical agents.

Each hydrometer has been calibrated against NIST standards and furnished with a NIST traceable certificate.

All hydrometers conform to or exceed all specifications set forth in the ASTM "Annual Book of ASTM Standards", Section 14, Volume 14.03, Designation E 100-05.



PLAIN FORM

330 mm Length

CATALOG No.	ASTM No.	API Range	Divisions
ACC001H	ASTM 1H	-1 to 11°	0.1°
ACC002H	ASTM 2H	9 to 21°	0.1°
ACC003H	ASTM 3H	19 to 31°	0.1°
ACC004H	ASTM 4H	29 to 41°	0.1°
ACC005H	ASTM 5H	39 to 51°	0.1°
ACC006H	ASTM 6H	49 to 61°	0.1°
ACC007H	ASTM 7H	59 to 71°	0.1°
ACC008H	ASTM 8H	69 to 81°	0.1°
ACC009H	ASTM 9H	79 to 91°	0.1°
ACC010H	ASTM 10H	89 to 101°	0.1°

163 mm Length

CATALOG No.	ASTM No.	API Range	Divisions
ACC021H	ASTM 21H	0 to 6°	0.1°
ACC022H	ASTM 22H	5 to 11°	0.1°
ACC023H	ASTM 23H	10 to 16°	0.1°
ACC024H	ASTM 24H	15 to 21°	0.1°
ACC025H	ASTM 25H	20 to 26°	0.1°
ACC026H	ASTM 26H	25 to 31°	0.1°
ACC027H	ASTM 27H	30 to 36°	0.1°
ACC028H	ASTM 28H	35 to 41°	0.1°
ACC029H	ASTM 29H	40 to 46°	0.1°
ACC030H	ASTM 30H	45 to 51°	0.1°
ACC031H	ASTM 31H	50 to 56°	0.1°
ACC032H	ASTM 32H	55 to 61°	0.1°
ACC033H	ASTM 33H	60 to 66°	0.1°
ACC034H	ASTM 34H	65 to 71°	0.1°
ACC035H	ASTM 35H	70 to 76°	0.1°
ACC036H	ASTM 36H	75 to 81°	0.1°
ACC037H	ASTM 37H	80 to 86°	0.1°
ACC038H	ASTM 38H	85 to 91°	0.1°
ACC039H	ASTM 39H	90 to 96°	0.1°
ACC040H	ASTM 40H	95 to 101°	0.1°

COMBINED IN BODY

0/150°F Thermometer 380 mm Length

CATALOG No.	ASTM No.	API Range	Divisions
ACC041HL	ASTM 41HL	15 to 23°	0.1°
ACC042HL	ASTM 42HL	22 to 30°	0.1°
ACC043HL	ASTM 43HL	29 to 37°	0.1°
ACC044HL	ASTM 44HL	36 to 44°	0.1°
ACC045HL	ASTM 45HL	43 to 51°	0.1°
ACC051HL	ASTM 51HL	1 to 11°	0.1°
ACC052HL	ASTM 52HL	9 to 21°	0.1°
ACC053HL	ASTM 53HL	19 to 31°	0.1°
ACC054HL	ASTM 54HL	29 to 41°	0.1°
ACC055HL	ASTM 55HL	39 to 51°	0.1°
ACC056HL	ASTM 56HL	49 to 61°	0.1°
ACC057HL	ASTM 57HL	59 to 71°	0.1°
ACC058HL	ASTM 58HL	69 to 81°	0.1°
ACC059HL	ASTM 59HL	79 to 91°	0.1°
ACC060HL	ASTM 60HL	89 to 101°	0.1°

COMBINED IN BODY... cont.

+30/180°F Thermometer 380 mm Length

CATALOG No.	ASTM No.	API Range	Divisions
ACC041HM	ASTM 41HM	15 to 23°	0.1°
ACC042HM	ASTM 42HM	22 to 30°	0.1°
ACC043HM	ASTM 43HM	29 to 37°	0.1°
ACC044HM	ASTM 44HM	36 to 44°	0.1°
ACC045HM	ASTM 45HM	43 to 51°	0.1°
ACC051HM	ASTM 51HM	1 to 11°	0.1°
ACC052HM	ASTM 52HM	9 to 21°	0.1°
ACC053HM	ASTM 53HM	19 to 31°	0.1°
ACC054HM	ASTM 54HM	29 to 41°	0.1°
ACC055HM	ASTM 55HM	39 to 51°	0.1°
ACC056HM	ASTM 56HM	49 to 61°	0.1°
ACC057HM	ASTM 57HM	59 to 71°	0.1°
ACC058HM	ASTM 58HM	69 to 81°	0.1°
ACC059HM	ASTM 59HM	79 to 91°	0.1°
ACC060HM	ASTM 60HM	89 to 101°	0.1°

+60/220°F Thermometer 380 mm Length

CATALOG No.	ASTM No.	API Range	Divisions
ACC041HH	ASTM 41HH	15 to 23°	0.1°
ACC042HH	ASTM 42HH	22 to 30°	0.1°
ACC043HH	ASTM 43HH	29 to 37°	0.1°
ACC044HH	ASTM 44HH	36 to 44°	0.1°
ACC045HH	ASTM 45HH	43 to 51°	0.1°
ACC051HH	ASTM 51HH	1 to 11°	0.1°
ACC052HH	ASTM 52HH	9 to 21°	0.1°
ACC053HH	ASTM 53HH	19 to 31°	0.1°
ACC054HH	ASTM 54HH	29 to 41°	0.1°
ACC055HH	ASTM 55HH	39 to 51°	0.1°
ACC056HH	ASTM 56HH	49 to 61°	0.1°
ACC057HH	ASTM 57HH	59 to 71°	0.1°
ACC058HH	ASTM 58HH	69 to 81°	0.1°
ACC059HH	ASTM 59HH	79 to 91°	0.1°
ACC060HH	ASTM 60HH	89 to 101°	0.1°

+30/220°F Thermometer 380 mm Length

CATALOG No.	ASTM No.	API Range	Divisions
ACC071H	ASTM 71H	1 to 11°	0.1°
ACC072H	ASTM 72H	9 to 21°	0.1°
ACC073H	ASTM 73H	19 to 31°	0.1°
ACC074H	ASTM 74H	29 to 41°	0.1°

+30/90°F Thermometer 380mm Length

CATALOG No.	ASTM No.	API Range	Divisions
ACC101H	ASTM 101H	0.500 to 0.650°	0.001°

Hydrometer Catalog No. with the following suffixes

HL Thermometer scale = 0/150°F

HM Thermometer Scale = 30/180°F

HH Thermometer scale = 60/220°F



ASTM / API PLAIN FORM

330 mm Length

CATALOG No.	ASTM No.	API Range	Divisions
GW001H	ASTM 1H	-1 to 11°	0.1°
GW002H	ASTM 2H	9 to 21°	0.1°
GW003H	ASTM 3H	19 to 31°	0.1°
GW004H	ASTM 4H	29 to 41°	0.1°
GW005H	ASTM 5H	39 to 51°	0.1°
GW006H	ASTM 6H	49 to 61°	0.1°
GW007H	ASTM 7H	59 to 71°	0.1°
GW008H	ASTM 8H	69 to 81°	0.1°
GW009H	ASTM 9H	79 to 91°	0.1°
GW010H	ASTM 10H	89 to 101°	0.1°

163 mm Length

CATALOG No.	ASTM No.	API Range	Divisions
GW021H	ASTM 21H	0 to 6°	0.1°
GW022H	ASTM 22H	5 to 11°	0.1°
GW023H	ASTM 23H	10 to 16°	0.1°
GW024H	ASTM 24H	15 to 21°	0.1°
GW025H	ASTM 25H	20 to 26°	0.1°
GW026H	ASTM 26H	25 to 31°	0.1°
GW027H	ASTM 27H	30 to 36°	0.1°
GW028H	ASTM 28H	35 to 41°	0.1°
GW029H	ASTM 29H	40 to 46°	0.1°
GW030H	ASTM 30H	45 to 51°	0.1°
GW031H	ASTM 31H	50 to 56°	0.1°
GW032H	ASTM 32H	55 to 61°	0.1°
GW033H	ASTM 33H	60 to 66°	0.1°
GW034H	ASTM 34H	65 to 71°	0.1°
GW035H	ASTM 35H	70 to 76°	0.1°
GW036H	ASTM 36H	75 to 81°	0.1°
GW037H	ASTM 37H	80 to 86°	0.1°
GW038H	ASTM 38H	85 to 91°	0.1°
GW039H	ASTM 39H	90 to 96°	0.1°

ASTM / API COMBINED IN STEM

+30/220°F Thermometer 380 mm Length

CATALOG No.	ASTM No.	API Range	Divisions
GW071H	ASTM 71H	1 to 11°	0.1°
GW072H	ASTM 72H	9 to 21°	0.1°
GW073H	ASTM 73H	19 to 31°	0.1°
GW074H	ASTM 74H	29 to 41°	0.1°

ASTM LPG COMBINED IN BODY

+30/90°F Thermometer 380mm Length

CATALOG No.	ASTM No.	API Range	Divisions
GW101H	ASTM 101H	0.50 to 0.65°	0.001°

ASTM / API COMBINED IN BODY

0/150°F Thermometer 380 mm Length

CATALOG No.	ASTM No.	API Range	Divisions
GW041HL	ASTM 41HL	15 to 23°	0.1°
GW042HL	ASTM 42HL	22 to 30°	0.1°
GW043HL	ASTM 43HL	29 to 37°	0.1°
GW044HL	ASTM 44HL	36 to 44°	0.1°
GW045HL	ASTM 45HL	43 to 51°	0.1°
GW051HL	ASTM 51HL	1 to 11°	0.1°
GW052HL	ASTM 52HL	9 to 21°	0.1°
GW053HL	ASTM 53HL	19 to 31°	0.1°
GW054HL	ASTM 54HL	29 to 41°	0.1°
GW055HL	ASTM 55HL	39 to 51°	0.1°
GW056HL	ASTM 56HL	49 to 61°	0.1°
GW057HL	ASTM 57HL	59 to 71°	0.1°
GW058HL	ASTM 58HL	69 to 81°	0.1°
GW059HL	ASTM 59HL	79 to 91°	0.1°
GW060HL	ASTM 60HL	89 to 101°	0.1°

+30/180°F Thermometer 380 mm Length

CATALOG No.	ASTM No.	API Range	Divisions
GW041HM	ASTM 41HM	15 to 23°	0.1°
GW042HM	ASTM 42HM	22 to 30°	0.1°
GW043HM	ASTM 43HM	29 to 37°	0.1°
GW044HM	ASTM 44HM	36 to 44°	0.1°
GW045HM	ASTM 45HM	43 to 51°	0.1°
GW051HM	ASTM 51HM	1 to 11°	0.1°
GW052HM	ASTM 52HM	9 to 21°	0.1°
GW053HM	ASTM 53HM	19 to 31°	0.1°
GW054HM	ASTM 54HM	29 to 41°	0.1°
GW055HM	ASTM 55HM	39 to 51°	0.1°
GW056HM	ASTM 56HM	49 to 61°	0.1°
GW057HM	ASTM 57HM	59 to 71°	0.1°
GW058HM	ASTM 58HM	69 to 81°	0.1°
GW059HM	ASTM 59HM	79 to 91°	0.1°
GW060HM	ASTM 60HM	89 to 101°	0.1°

+60/220°F Thermometer 380 mm Length

CATALOG No.	ASTM No.	API Range	Divisions
GW041HH	ASTM 41HH	15 to 23°	0.1°
GW042HH	ASTM 42HH	22 to 30°	0.1°
GW043HH	ASTM 43HH	29 to 37°	0.1°
GW044HH	ASTM 44HH	36 to 44°	0.1°
GW045HH	ASTM 45HH	43 to 51°	0.1°
GW051HH	ASTM 51HH	1 to 11°	0.1°
GW052HH	ASTM 52HH	9 to 21°	0.1°
GW053HH	ASTM 53HH	19 to 31°	0.1°
GW054HH	ASTM 54HH	29 to 41°	0.1°
GW055HH	ASTM 55HH	39 to 51°	0.1°
GW056HH	ASTM 56HH	49 to 61°	0.1°
GW057HH	ASTM 57HH	59 to 71°	0.1°
GW058HH	ASTM 58HH	69 to 81°	0.1°
GW059HH	ASTM 59HH	79 to 91°	0.1°
GW060HH	ASTM 60HH	89 to 101°	0.1°



API - Hydrometers

PLAIN FORM

6" Length

CATALOG No.	API Range	Divisions
GW2500	10 to 45	1.0
GW2501	-1 to 11	0.2
GW2502	9 to 21	0.2
GW2503	19 to 31	0.2
GW2504	29 to 41	0.2
GW2505	39 to 51	0.2
GW2506	49 to 61	0.2
GW2507	59 to 71	0.2
GW2508	69 to 81	0.2
GW2509	79 to 91	0.2

COMBINED FORM

0 to 150°F Thermometer 7.5" Length

CATALOG No.	API Range	Divisions
GW2500C	10 to 45	1.0
GW2501C	-1 to 11	0.2
GW2502C	9 to 21	0.2
GW2503C	19 to 31	0.2
GW2504C	29 to 41	0.2
GW2505C	39 to 51	0.2
GW2506C	49 to 61	0.2
GW2507C	59 to 71	0.2
GW2508C	69 to 81	0.2
GW2509C	79 to 91	0.2

+20 to 130°F Thermometer 7.5" Length

CATALOG No.	API Range	Divisions
GW3000	10 to 50	0.5
GW3001	25 to 65	0.5
GW3002	40 to 80	0.5
GW3003	80 to 120	0.5

+20 to 130°F Thermometer 7.5" Length

CATALOG No.	API Range	Divisions
GW5000	10 to 45	1.0
GW5001	45 to 90	1.0
GW5002	10 to 30	0.5
GW5003	20 to 40	0.5
GW5004	30 to 50	0.5
GW5005	40 to 60	0.5
GW5006	50 to 70	0.5
GW5007	60 to 80	0.5
GW5008	70 to 90	0.5
GW5009	80 to 100	0.5

0 to 150°F Thermometer 15" Length

CATALOG No.	API Range	Divisions
GW6000	10 to 45	0.5
GW6001	45 to 90	0.5
GW6002	10 to 30	0.2
GW6003	20 to 40	0.2
GW6004	30 to 50	0.2
GW6005	40 to 60	0.2
GW6006	50 to 70	0.2
GW6007	60 to 80	0.2
GW6008	70 to 90	0.2
GW6009	80 to 100	0.2

0 to 150°F Thermometer 15" Length

CATALOG No.	API Range	Divisions
GW4000	10 to 40	0.2
GW4001	29 to 45	0.1
GW4002	30 to 60	0.2
GW4003	50 to 80	0.2
GW4004	80 to 110	0.2





ASTM - Specific Gravity Hydrometers

PLAIN FORM Hydrometers
330mm Length

CATALOG No.	ASTM No.	SG Range	Divisions
GW082H	ASTM 82H	0.650 to 0.700	0.0005
GW083H	ASTM 83H	0.700 to 0.750	0.0005
GW084H	ASTM 84H	0.750 to 0.800	0.0005
GW085H	ASTM 85H	0.800 to 0.850	0.0005
GW086H	ASTM 86H	0.850 to 0.900	0.0005
GW087H	ASTM 87H	0.900 to 0.950	0.0005
GW088H	ASTM 88H	0.950 to 1.000	0.0005
GW089H	ASTM 89H	1.000 to 1.050	0.0005
GW090H	ASTM 90H	1.050 to 1.100	0.0005
GW111H	ASTM 111H	1.000 to 1.050	0.0005
GW112H	ASTM 112H	1.050 to 1.100	0.0005
GW113H	ASTM 113H	1.100 to 1.150	0.0005
GW114H	ASTM 114H	1.150 to 1.200	0.0005
GW115H	ASTM 115H	1.200 to 1.250	0.0005
GW116H	ASTM 116H	1.250 to 1.300	0.0005
GW117H	ASTM 117H	1.300 to 1.350	0.0005
GW118H	ASTM 118H	1.350 to 1.400	0.0005
GW119H	ASTM 119H	1.400 to 1.450	0.0005
GW120H	ASTM 120H	1.450 to 1.500	0.0005

260mm Length

CATALOG No.	ASTM No.	SG Range	Divisions
GW102H	ASTM 102H	0.650 to 0.700	0.001
GW103H	ASTM 103H	0.700 to 0.750	0.001
GW104H	ASTM 104H	0.750 to 0.800	0.001
GW105H	ASTM 105H	0.800 to 0.850	0.001
GW106H	ASTM 106H	0.850 to 0.900	0.001
GW107H	ASTM 107H	0.900 to 0.950	0.001
GW108H	ASTM 108H	0.950 to 1.000	0.001
GW125H	ASTM 125H	1.000 to 1.050	0.001
GW126H	ASTM 126H	1.050 to 1.100	0.001
GW127H	ASTM 127H	1.100 to 1.150	0.001
GW128H	ASTM 128H	1.150 to 1.200	0.001
GW129H	ASTM 129H	1.200 to 1.250	0.001
GW130H	ASTM 130H	1.250 to 1.300	0.001
GW131H	ASTM 131H	1.300 to 1.350	0.001
GW132H	ASTM 132H	1.350 to 1.400	0.001
GW133H	ASTM 133H	1.400 to 1.450	0.001
GW134H	ASTM 134H	1.450 to 1.500	0.001
GW135H	ASTM 135H	1.500 to 1.550	0.001
GW136H	ASTM 136H	1.550 to 1.600	0.001
GW137H	ASTM 137H	1.600 to 1.650	0.001
GW138H	ASTM 138H	1.650 to 1.700	0.001
GW139H	ASTM 139H	1.700 to 1.750	0.001
GW140H	ASTM 140H	1.750 to 1.800	0.001
GW141H	ASTM 141H	1.800 to 1.850	0.001

ASTM - Density Hydrometers

PLAIN FORM Hydrometers
330mm Length

CATALOG No.	ASTM No.	Range	Divisions
GW311H	ASTM 311H	600 to 650	0.5
GW312H	ASTM 312H	650 to 700	0.5
GW313H	ASTM313H	700 to 750	0.5
GW314H	ASTM 314H	750 to 800	0.5
GW315H	ASTM 315H	800 to 850	0.5
GW316H	ASTM 316H	850 to 900	0.5
GW317H	ASTM 317H	900 to 950	0.5
GW318H	ASTM 318H	950 to 1000	0.5
GW319H	ASTM 319H	1000 to 1050	0.5
GW320H	ASTM 320H	1050 to 1100	0.5

COMBINED Hydrometers
20/65°C Thermometer 330mm Length

CATALOG No.	ASTM No.	Range	Divisions
GW300H	ASTM 300H	600 to 650	0.5
GW301H	ASTM 301H	650 to 700	0.5
GW302H	ASTM302H	700 to 750	0.5
GW303H	ASTM 303H	750 to 800	0.5
GW304H	ASTM 304H	800 to 850	0.5
GW305H	ASTM 305H	850 to 900	0.5
GW306H	ASTM 306H	900 to 950	0.5
GW307H	ASTM 307H	950 to 1000	0.5
GW308H	ASTM 308H	1000 to 1050	0.5
GW309H	ASTM 309H	1050 to 1100	0.5
GW310H	ASTM 310H	500 to 650	1.0



Thermometer - Hydrometer Accessories

Thermometer Rack

Safely Holds Up to 25 Thermometers

This polypropylene rack holds up to 25 thermometers in a safe vertical position to avoid damage while drying. Hole diameters in the top and middle plates are 7.9mm (5/16") while the bottom plate has only. 3.2mm (1/8") diameter drain holes. The distance between top and bottom plates is 105mm (4 1/8"). Overall dimensions are: 149 x 213 x 251 mm (5 7/8" x 8 3/8" x 9 7/8") Steam autoclavable at 121°C (250°F).

CATALOG No.
ACCTR100



Thermometer Storage Cases

- Felt-Lined Leatherette Exterior
- Snap Closure
- Several Single Case Sizes
- 9 Place Case

CATALOG No.	Thermometer Length	Thermometers Per Case
ACC87006	Up to 12"	1
ACC87008	Up to 18"	1
ACC87009	Up to 24"	1
ACC87010	Up to 16"	9



Hydrometer Racks

Safe Storage for Glass Hydrometers

Protect fragile glass hydrometers by storing them in this 18-place polypropylene rack. The middle and top plates have 25mm (1") diameter holes. The bottom plates 44mm (1 3/4") high and has wells tapering from 25mm to 9mm (1 to 3/8") to hold the hydrometer bulb. The base is 210 x 216mm (8 1/4" X 8 1/2") for tip-proof stability. Overall height 251mm (9 7/8") with handles. Steam autoclavable at 121°C (250°F).

CATALOG No.	
ACC87007	For Long Hydrometers Top plate is 178mm H (7" H)
ACC87005	For Long Hydrometers Top plate is 143mm H (5 5/8" H)



Hydrometer Jars

The polypropylene cylinders feature permanently molded graduations that will not fade after repeated autoclaving. Our UCY500BA is a strong, accurate glass measuring cylinder, graduate in durable blue enamel with spout & hexagonal bumper guards.

CATALOG No.	Material	O.D. x Hight	Capacity	Graduated
A UCY500PP	Polypropylene	56mm x 360mm	500ml	YES
B DCY250PP	Polypropylene	54mm x 190mm	250ml	YES
C UCY500BA	Glass	50mm x 380mm	500ml	Yes / Class "A"
D UCY600H	Glass	50mm x 375mm	600ml	NO
UCY1200H	Glass	65mm x 450mm	1200ml	NO



PRECISION - Single/Dual Probe Pt100 Thermometers

The **ACCD650P** and **ACCD655P** Handheld Pt100 Thermometers are High Precision, Metrology Grade, NIST Compliant® Instruments. These high accuracy thermometers are used when temperature measurement are critical and/or when online documentation is required. The 650P and 655P are also used as a NIST Standard to verify and calibrate routinely used instruments. When certified is traceable to NIST. Optional DE-Graph Windows Software for graphic and tabular documentation.



FEATURES:

- NIST Compliant® - DKD/Dakks
- USB interface
- High measuring accuracy
- Integrated calibration function for simple compensation of sensor tolerances
- Physical 1-point, 2-point or 3-point calibration function
- Measuring channels are freely assignable
- Recording maximum, minimum, hold and average values
- Integrated sensor holder for one hand operation
- Simultaneous display of two measured values
- Differential temperature display (ACCD655P only)
- NIST Tracable Certificate Available
- For Accessories see Page 44

Laboratory and Industry Applications:

- For taking measurements for quality assurance under ISO 9000
- As a reference system for your laboratory.
- For taking comparison measurements.
- Long-period monitoring of temperature with online documentation

CATALOG No.	DESCRIPTION
ACCD650P	Single Probe - Pt100 High Precision Digital Thermometer
ACCD655P	Dual Probe - Pt100 High Precision Digital Thermometer

SPECIFICATIONS:	
Measuring Range	-200°C to +850°C
Accuracy Pt100	±0.03°C from -50°C to +199.99°C ±0.05°C from -200°C to 200°C otherwise 0.05 % of reading
Resolution	0.01°C (-200°C to +200°C) otherwise 0.1°C respectively 0.1 %
Connectors	DIN 8-pole
Display	2-line LCD
Data Connector	USB
Working Temperature	0 to +40°C (32 to +104°F)
Housing	plastic (ABS)
Dimensions	8.0" x 3.5" x 1.5" (L-W-H)
Weight	0.6 lbs
Power supply	1 x 9v battery
Batterie life	appr. 20 hr

ACCD650P & ACCD655P General Purpose Pt100 Probes, ±0.20°C, 4 Wire platinum - 1 Meter Cable PVC

CATALOG NO.	Probe Type	T90 Response Time	Measuring Range	Length x Dia.
ACCD1001	Immersion w/ handle	8 sec.	-50 to +350°C	150 x 3mm
ACCD1002	Immersion w/ handle	8 sec.	-50 to +350°C	300 x 3mm
ACCD1005	Immersion w/ handle	8 sec.	-50 to +350°C	500 x 3mm
ACCD1006	Insertion w/ handle	10 sec.	-50 to +350°C	150 x 4mm
ACCD1007	Insertion w/ handle	10 sec.	-50 to +350°C	300 x 4mm
ACCD1059	Surface - w/ handle & buffer-block	45 sec.	-40 to +300°C	150 x 6mm
ACCD1075	Surface - Self Adhesive silicone patch	<3 sec.	-20 to +250°C	35x13x2mm

ACCD650P & ACCD655P High Precision Pt100 Probes, ±0.03°C (-30 to +200°C) - 1 Meter Cable PVC

CATALOG NO.	Probe Type	T90 Response Time	Measuring Range	Length x Dia.
ACCD1018	Immersion w/ handle	12 sec.	-200 to +450°C	150 x 3mm
ACCD1019	Immersion w/ handle	12 sec.	-200 to +450°C	300 x 3mm
ACCD1023	Immersion w/ handle	5 sec.	-200 to +450°C	300 x 1.4mm

For Complete Specifications - Accessories - Downloads Please Visit

www.ThermcoProducts.com

PRECISION - Dual Channel Smartprobe Thermometer

Temperature measuring instrument which meets the highest demands.

The 2-channel resistance thermometer automatically detects our Pt100 smartprobes which have an integrated EEPROM where the calibration characteristic of each probe is transferred automatically to the instrument.

The thermometer will achieve a system accuracy of $\pm 0.015\text{K}$ (instrument + probe).

Both measuring channels can be easily seen on the large LCD display.

The instrument contains numerous functions for the measurement and visualization of readings.

Integrated calibration functions, including the intelligent EEPROM probes, takes this compact instrument to a high performance class, making it ideally **suitable as a primary reference standard.**

FEATURES:

- NIST Compliant® - DKD/DAKkS
- 2 channel instruments, for Pt100 according EN 60751
- Simultaneous display of two measured values or differential measurements.
- Recording maximum, minimum, hold & average values (average over user selectable time)
- High measuring accuracy ($\pm 0.010\text{ }^{\circ}\text{C}$)
- Data Logger function for up to 6,000 measurements
- Integrated calibration function (acc. EN60751 up to 14 points)
- USB Data interface
- Password protection for calibration function
- Manufacturers test certificate include
- Optional DKD or ISO system calibration certification
- For Accessories see Page 44

CATALOG No.	DESCRIPTION
ACCD795P	Dual Probe - Pt100 High Precision Digital Thermometer,

SPECIFICATIONS:	
Input Eeprom-probes	2-Channel, Pt100 (EN60751)
Measuring Range:	-200°C to +850°C
Accuracy Pt100:	$\pm 0.015\text{ }^{\circ}\text{C}$ from -50°C to +199.99°C otherwise $\pm 0.025\%$ of reading
Resolution:	0.001°C (-200°C to +200°C) remaining range 0.01°C
Connectors:	DIN 8-pole x 2
Memory	appr. 6000 measurements
Measuring interval	Adjustable: 1 second to 30 minutes
Display	2-line LCD
Data Connector	USB
Working Temperature	0 to +40°C (32 to +104°F)
Housing	plastic (ABS)
Dimensions	8.0" x 3.5" x 1.5" (L-W-H)
Weight	0.6 lbs
Power supply	1 x 9v battery
Batterie life	appr. 20 hr

Note: ACCD795P is supplied with USB Data Cable



ACCD795P ONLY Pt100 Smartprobes

CATALOG NO.	Probe Type	T90 Response Time	Measuring Range	Length x Dia.
ACCD1773	Immersion w/ handle	7 sec.	-200 to +450°C	150 x 3mm
ACCD1774	Immersion w/ handle	7 sec.	-200 to +450°C	300 x 3mm
ACCD1778	Immersion w/ handle	7 sec.	-200 to +450°C	150 x 6mm
ACCD1779	Immersion w/ handle	7 sec.	-200 to +450°C	630 x 6mm
ACCD1784	Immersion w/ handle	7 sec.	-200 to +450°C	300 x 6mm

PRECISION - Single/Dual Probe Thermocouple Thermometers

The **ACCD610P** and **ACCD615P** Digital Thermocouple Thermometers are a economically priced solution for precision measurements on a wide range temperate measuring needs. By using thermocouple types J, K, L, N, T a range of -200°C to +1370°C (-328°F to 2498°F) can be obtained.

These in instruments can be used in many applications.

Areas of applications:

Industrial furnace control, taking surface measurements or differential temperature on heating systems (ACCD715P only) .

FEATURES:

- NIST Compliant® - DKD/DakkS
- USB interface
- High measuring accuracy
- Integrated calibration function for simple compensation of sensor tolerances
- Physical 1-point, 2-point or 3-point calibration function
- Measuring channels are freely assignable
- Recording maximum, minimum, hold and average values
- Integrated sensor holder for one hand operation
- Simultaneous display of two measured values
- Differential temperature display (ACCD715P only)
- NIST Tracable Certificate Available

CATALOG No.	DESCRIPTION
ACCD610P	Single Probe - Thermocouple High Precision Digital Thermometer
ACCD615P	Dual Probe - Thermocouple High Precision Digital Thermometer

SPECIFICATIONS:

Measuring Range	-200°C to +1370°C
Accuracy	±0.2°C from -40°C to +200°C
Thermocouple	±0.5°C from +201°C to +1000°C
K, J, L, N, T	otherwise 1.0°C
Resolution	0.01°C & °F
Connectors	DIN 8-pole
Display	2-line LCD
Data Connector	USB
Working temperature	0 to +40°C
Housing	plastic (ABS)
Dimensions	8.0" x 3.5" x 1.5" (L-W-H)
Weight	0.6 lbs
Power supply	1 x 9v battery
Batterie life	appr. 20 hr

ACCD710P & ACCD715P Thermocouple Type K - 1 Meter Cable PVC

CATALOG NO.	Probe Type	Measuring Range	Length x Dia.
ACCD0507	Immersion w/ handle	-40 to +400°C	120 x 3mm
ACCD0501	Immersion w/ handle	-100 to +1100°C	300 x 1.5mm
ACCD0503	Immersion w/ handle	-100 to +1100°C	300 x 3mm
ACCD0515	Surface w/ handle	-100 to +1100°C	300 x 3mm
ACCD0511	Insertion w/ handle	-100 to +1100°C	300 x 4mm

Accessories For ACCD795P / ACCD650P - ACCD655P / ACCD710P - ACCD715P

CATALOG NO.	DESCRIPTION
ACCD0081PD	Windows Software Smartgraph for online documentation
ACCD0046	USB Data Cable
ACC00007PD	Service Case for instrument, probe & accessories, Blue Plastic with inserts
ACC99050005	Heat-conductive paste 20g for better heat transmission for measuring the surface
ACCD10795	USB Power Pack



For Complete Specifications - Accessories - Downloads Please Visit

www.ThermcoProducts.com

"SUPRA" PRECISION - RTD Platinum Thermometers

Thermco's CT375DIG & CT376DIG are a very accurate temperature measuring systems. With the accuracy of 0.1 °C and resolution of 0.01°C, it will fulfill the most critical measuring requirement. The unit is equipped with stand and large backlight LCD that makes this unit perfect to setup a test station on the site.



FEATURES:

- Precision Platinum Temperature Sensor.
- High Accuracy With 0.01°C Resolution.
- Automatic Locked Push-pull Connector For Easy Connection.
- Large Backlight LCD.
- Dual Display.
- MAX/MIN Function.
- °C & °F Scale Selectable.
- Data Hold Function.
- Relative Function.
- Auto Power Off.
- User Offset Adjustable.
- Tilt Stand.

MODEL CT375DIG

- 100 Manual Recording Data Memory Include On Meter Readout Function.

MODEL CT376DIG

- 16,000 Records Data Logger.
- Record Temperature, Time And Date Of Measurement.
- Windows Software.
- RS-232 / USB Interface.



CATALOG NO.	DESCRIPTION
CT375DIG	"SUPRA" PRECISION - RTD Platinum Thermometer w/ MEMORY
CT376DIG	"SUPRA" PRECISION - RTD Platinum Thermometer w/ DATA LOGGER

ACCESSORIES:	DESCRIPTION
CTTPR04	Pt 100 Immersion Probe
CTTPR05	Pt 100 Air Probe
CTTPR06	Pt 100 Insertion/Piercing Probe
CT1776RS	RS-232 Cable
CT1776AC	AC Adapter

SPECIFICATIONS:	
Measurement Range	-100 to 400°C (-148 to 752°F)
Measurement Accuracy	±0.1°C (±0.2°F)
Resolution	0.01°C (0.02°F)
Sampling Rate	2 time/sec.
Battery	9v battery
Dimensions	185(L) x 65(W) x 36(H) mm (meter only)
Weight	Approx. 360g
Sensor Type	Platinum temperature-measurement resistor (Pt 100/4 line type)
Included with Unit	Precision Pt-100 Probe, 9V Battery, Instruction Manual, Carry Case, Windows Software(CT376DIG), USB Cable(CT376DIG)



PRECISION - Dual Pt100 High Resolution Thermometer

Physics 1000 is a high resolution of 0.001K digital measuring device that provides dependable and reproducible results of temperature measurements in quality assurance, process monitoring and production control for the chemical, pharmaceutical and food industries as well as for research and development.



FEATURES:

- Compact shape and ergonomic design
- 2 galvanically isolated input channels for Pt100 probes
- Resolution 0.001 K or optional 0.01 K
- Scales: °C, °F, K
- High-resolution AD converter (24 bit, 2.5 Mbit/s)
- Graphic display with white illumination
- Interfaces: USB, V24, Ethernet, Bluetooth
- Degree oWf protection: IP54
- Simple handling via 4 softkeys and cursor block
- Measuring menu: 2 values and difference indication
- Max. 4 measuring channels
- Measuring functions: zero setting, attenuation
- Multi-point adjusting for highest accuracy in connector
- Functions: max./min. values, RAM memory for 99 values
- Sensor programming: dimension, resolution, attenuation
- Device configuration: device designation, contrast, illumination duration baud rate
- Language selection: German, English, French
- NIST Compliant® certificate available

PHYSICS-VIEW Logging Software is a software package that can be used to evaluate and display measured data on PHYSICS devices

(with 2 measuring inputs).

PHYSICS View runs under MS-Windows and can be used to drive a PHYSICS device with up to four measuring points.

As soon as the connection between the computer and the measuring instrument has been established the program detects and lists these measuring points automatically.

The measured values are then read at a sampling rate selected by the user.

SPECIFICATIONS:

Measuring inputs:	2 input channels for Pt100 temperature probes
Galvanic isolation:	Semiconductor relays (50v)
Measuring range:	-200 °C up to +400 °C
Resolution:	0.001 K / 0.01 K
Self calibration:	Zero point, measuring current
Accuracy:	0.01 % of value ±3 digits
Temperature drift:	0.003 %/°C
Output:	1 plug for USB, V24, Ethernet, Bluetooth
Display:	128 x 64 pixel, 8 lines
Display illumination:	2 LEDs, white
Keyboard:	7 silicone keys (4 soft keys)
Internal RAM memory:	99 values
Output socket:	Memory plug for 25,000 values
Batteries:	3 Alkaline
Current consumption:	20 mA, with illumination 40 mA
Power adapter:	115 V (AC) to 12 V (DC), 300 mA
Casing:	ABS (max. 70 °C), light grey
Dimensions and weight:	L127 x W 83 x H 42 mm, 290 g

CATALOG NO.	DESCRIPTION
ACC57089	PHYSICS 1000
ACC57527/40	PHYSICS 1000 with NIST calibration certificate

Accessories:

CATALOG NO.	DESCRIPTION
ACC58306	PHYSICS View software
ACC57091	USB cable (galvanically isolated, max. 230.4 kB)
ACC55855	V24 cable (galvanically isolated, max. 115.2 kB)
ACC57512	Ethernet cable (galvanically isolated, max. 115.2 kB)
ACC58321	Bluetooth adapter plug, class 2
ACC57733	Memory plug for 25,000 values
ACC57527	Temperature sensor Pt100: 250 mm, cable: 2 m
ACC59954	Pt100 Immersion Probe -90 to 350°C 250mm x 3mm
ACC59966	Pt100 Insertion Probe -50 to 200°C 250mm x 3mm
ACC59270	Pt100 Glass-Type ASTM Immersion Probe -50 to 310°C 250mm x 6mm
ACC59265	Pt100 ASTM immersion Probe -90 to 410°C 400mm x 3mm



For Complete Specifications - Accessories - Downloads Please Visit

www.ThermcoProducts.com



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**Accreditation No.: 69071
to ISO/IEC 17025:2005**

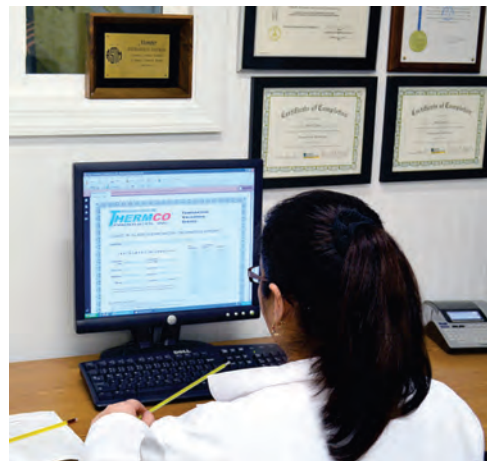
RECERTIFICATION PROGRAM

How Often Should A Thermometer Be Recertified ?

Many factors determine recertification of thermometers, such as usage, temperatures measured, in-house procedures, and regulatory agencies' guidelines and policies. As a general guideline for good laboratory and manufacturing practices, thermometers should be recertified/verified on an annual basis.

The Recertification Program Consists of...

- Complete visual inspection for any physical damage.
- If possible the damage will be repaired.
- Thermometer readings are compared against NIST standards in high precision calibration baths using the comparison method at determined test temperatures.
- Each temperature is recorded to 1/10th of a scale division.
- A calibration report is generated detailing the pertinent information including the correction factors for each test point.
- All calibration information is entered into the THERMCO data storage system.
- All certification procedures are performed in accordance with NIST and ASTM guidelines, which meet with requirements set by regulatory agencies.



How to Order Thermometer Recertification...

Complete all the information on the RECERTIFICATION FORM and carefully pack thermometer along with the current calibration certificate and payment method, we accept purchase order - company check - Visa & MasterCard,

to: **Thermco Products Inc. 10 Millpond Drive, Unit #10, Lafayette, NJ 07848**



www.ThermcoProducts.com

10 Millpond Drive Unit #10 Lafayette, NJ 07848 - Phone: 973.300.9100





For Tech Support And Temperature Solutions
Call: 973.300.9100
email: Info@ThermcoProducts.com

For Calibration Inquires
Call: 973.300.9101
email: Lab@ThermcoProducts.com

www.ThermcoProducts.com

10 Millpond Drive Unit #10 Lafayette, NJ 07848 - Phone: 973.300.9100

