

ASTM THERMOMETERS

Koehler is pleased to offer our customers calibrated thermometers in addition to the wide range of ASTM thermometers available. Thermometers are calibrated to ASTM E-1 requirements in accordance with Method E-77 and are NIST traceable. Calibrated thermometers come with an ISO/IEC 17025 and ANSI/NCSL Z-540-1 Report of Calibration. When ordering, please indicate by catalog number the thermometer(s) which meet your testing requirements.

Catalog Number	ASTM Designation	IP Reference	Name	Range
250-000-01C	1C	—	Partial Immersion	-20 to +150°C
250-004-01C	1C	—	1C CERTIFIED @ ASTM specified test points of -20, 0, +50, 100, 150°C	
250-000-01F	1F	—	Partial Immersion	0 to 302°F
250-004-01F	1F	—	1F CERTIFIED @ ASTM specified test points of 0, 32, 122, 212, 302°F	
250-000-02C	2C	62C	Partial Immersion	-5 to +300°C
250-004-02C	2C	62C	2C CERTIFIED @ ASTM specified test points of 0, 75, 150, 225, 300°C	
250-000-02F	2F	62F	Partial Immersion	20 to 580°F
250-004-02F	2F	62F	2F CERTIFIED @ ASTM specified test points of 32, 150, 300, 450, 580°F	
250-000-03C	3C	73C	Partial Immersion	-5 to +400°C
250-004-03C	3C	73C	3C CERTIFIED @ ASTM specified test points of 0, 100, 200, 300, 370°C	
250-000-03F	3F	73F	Partial Immersion	20 to 760°F
250-004-03F	3F	73F	3F CERTIFIED @ ASTM specified test points of 32, 200, 370, 540, 700°F	
250-000-04C	4C	—	Acid Heat	-1 to +105°C
250-004-04C	4C	—	4C CERTIFIED @ ASTM specified test points of 0, 50, 100°C	
250-000-04F	4F	—	Acid Heat	30 to 220°F
250-004-04F	4F	—	4F CERTIFIED @ ASTM specified test points of 32, 122, 212°F	
250-000-05C	5C	1C	Cloud & Pour, High	-38 to +50°C
250-004-05C	5C	1C	5C CERTIFIED @ ASTM specified test points of -35, 0, +50°C	
250-000-05F	5F	1F	Cloud & Pour, High	-36 to +120°F
250-004-05F	5F	1F	5F CERTIFIED @ ASTM specified test points of -30, +32, 120°F	
250-000-06C	6C	2C	Cloud & Pour, Low	-80 to +20°C
250-004-06C	6C	2C	6C CERTIFIED @ ASTM specified test points of -70, -35, 0, +20°C	
250-000-06F	6F	2F	Cloud & Pour, Low	-112 to +70°F
250-004-06F	6F	2F	6F CERTIFIED @ ASTM specified test points of -94, -30, +32, 70°F	
250-000-07C	7C	5C	Distillation, Low	-2 to +300°C
250-004-07C	7C	5C	7C CERTIFIED @ ASTM specified test points of 0, 50, 100, 150, 200, 250, 300°C	
250-000-07F	7F	—	Distillation, Low	30 to 580°F
250-004-07F	7F	—	7F CERTIFIED @ ASTM specified test points of 32, 100, 200, 300, 400, 500, 570°F	
250-000-08C	8C	6C	Distillation, High	-2 to +400°C
250-004-08C	8C	6C	8C CERTIFIED @ ASTM specified test points of 0, 100, 200, 300, 370°C	
250-000-08F	8F	—	Distillation, High	30 to 760°F
250-004-08F	8F	—	8F CERTIFIED @ ASTM specified test points of 32, 200, 370, 540, 700°F	
250-000-09C	9C	15C	Pensky-Martens, Low	-5 to +110°C
250-004-09C	9C	15C	9C CERTIFIED @ ASTM specified test points of 0, 35, 70, 105°C	
250-000-09F	9F	15F	Pensky-Martens, Low	20 to 230°F
250-004-09F	9F	15F	9F CERTIFIED @ ASTM specified test points of 32, 100, 160, 220°F	
250-000-10C	10C	16C	Pensky-Martens, High	90 to 370°C
250-004-10C	10C	16C	10C CERTIFIED @ ASTM specified test points of 100, 200, 300, 370°C	
250-000-10F	10F	16F	Pensky-Martens, High	200 to 700°F
250-004-10F	10F	16F	10F CERTIFIED @ ASTM specified test points of 212, 390, 570, 700°F	
250-000-11C	11C	28C	Open Flash	-6 to +400°C
250-004-11C	11C	28C	11C CERTIFIED @ ASTM specified test points of 0, 100, 200, 300, 370°C	
250-000-11F	11F	28F	Open Flash	20 to 760°F
250-004-11F	11F	28F	11F CERTIFIED @ ASTM specified test points of 32, 200, 370, 540, 700°F	
250-000-12C	12C	64C	Gravity (Density)	-20 to +102°C
250-004-12C	12C	64C	12C CERTIFIED @ ASTM specified test points of -20, -10, 0, +10, 20, 30, 40, 50, 60, 70, 80, 90, 100°C	
250-000-12F	12F	64F	Gravity (Density)	-5 to +215°F
250-004-12F	12F	64F	12F CERTIFIED @ ASTM specified test points of -5, 15, 32, 60, 85, 110, 135, 160, 185, 210°F	

Koehler now offers mercury-free, liquid-in-glass thermometers that have the performance of mercury. Please contact Koehler Customer Service for availability of non-mercury type thermometer of interest. Please note, not all ASTM thermometers are available as non-mercury type.

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Catalog Number	ASTM Designation	IP Reference	Name	Range
250-000-13C	13C	47C	Loss on Heat	155 to 170°C
250-004-13C	13C	47C	13C CERTIFIED @ ASTM specified test points of 155, 163, 170°C	
250-000-14C	14C	17C	Paraffin Wax Melting Point	38 to 82°C
250-004-14C	14C	17C	14C CERTIFIED @ ASTM specified test points of 40, 50, 60, 70, 80°C	
250-000-14F	14F	17F	Paraffin Wax Melting Point	100 to 180°F
250-004-14F	14F	17F	14F CERTIFIED @ ASTM specified test points of 100, 120, 140, 160, 180°F	
250-000-15C	15C	60C	Softening Point, Low	-2 to +80°C
250-004-15C	15C	60C	15C CERTIFIED @ ASTM specified test points of 0, 20, 40, 60, 80°C	
250-000-15F	15F	—	Softening Point, Low	30 to 180°F
250-004-15F	15F	—	15F CERTIFIED @ ASTM specified test points of 32, 70, 100, 140, 180°F	
250-000-16C	16C	61C	Softening Point, High	30 to 200°C
250-004-16C	16C	61C	16C CERTIFIED @ ASTM specified test points of 30, 60, 90, 120, 150, 180, 200°C	
250-000-16F	16F	—	Softening Point, High	85 to 392°F
250-004-16F	16F	—	16F CERTIFIED @ ASTM specified test points of 90, 140, 190, 240, 290, 340, 390°F	
250-000-17C	17C	—	Saybolt Viscosity	19 to 27°C
250-004-17C	17C	—	17C CERTIFIED @ ASTM specified test points of 21, 25°C	
250-000-17F	17F	—	Saybolt Viscosity	66 to 80°F
250-004-17F	17F	—	17F CERTIFIED @ ASTM specified test points of 70, 77°F	
250-000-18C	18C	23C	Saybolt Viscosity & Reid Vapor	34 to 42°C
250-004-18C	18C	23C	18C CERTIFIED @ ASTM specified test points of 38, 41°C	
250-000-18F	18F	23F	Saybolt Viscosity & Reid Vapor	94 to 108°F
250-004-18F	18F	23F	18F CERTIFIED @ ASTM specified test points of 100, 107°F	
250-000-19C	19C	—	Saybolt Viscosity	49 to 57°C
250-004-19C	19C	—	19C CERTIFIED @ ASTM specified test points of 50, 54°C	
250-000-19F	19F	—	Saybolt Viscosity	120 to 134°F
250-004-19F	19F	—	19F CERTIFIED @ ASTM specified test points of 122, 130°F	
250-000-20C	20C	—	Saybolt Viscosity	57 to 65°C
250-004-20C	20C	—	20C CERTIFIED @ ASTM specified test points of 60, 64°C	
250-000-20F	20F	—	Saybolt Viscosity	134 to 148°F
250-004-20F	20F	—	20F CERTIFIED @ ASTM specified test points of 140, 147°F	
250-000-21C	21C	—	Saybolt Viscosity	79 to 87°C
250-004-21C	21C	—	21C CERTIFIED @ ASTM specified test points of 82, 86°C	
250-000-21F	21F	—	Saybolt Viscosity	174 to 188°F
250-004-21F	21F	—	21F CERTIFIED @ ASTM specified test points of 180, 187°F	
250-000-22C	22C	24C	Saybolt Viscosity & Oxidation Stability	95 to 103°C
250-004-22C	22C	24C	22C CERTIFIED @ ASTM specified test points of 99, 102°C	
250-000-22F	22F	24F	Saybolt Viscosity & Oxidation Stability	204 to 218°F
250-004-22F	22F	24F	22F CERTIFIED @ ASTM specified test points of 210, 212°F	
250-000-23C	23C	—	Viscosity Engler	18 to 28°C
250-004-23C	23C	—	23C CERTIFIED @ ASTM specified test points of 20, 25°C	
250-000-24C	24C	—	Viscosity Engler	39 to 54°C
250-004-24C	24C	—	24C CERTIFIED @ ASTM specified test points of 40, 50°C	
250-000-25C	25C	—	Viscosity Engler	95 to 105°C
250-004-25C	25C	—	25C CERTIFIED @ ASTM specified test points of 95, 100°C	
250-000-26C	26C	—	Stability Test of Soluble Nitro-Cellulose	130 to 140°C
250-004-26C	26C	—	26C CERTIFIED @ ASTM specified test points of 130, 135, 140°C	
250-000-27C	27C	—	Turpentine Distillation	147 to 182°C
250-004-27C	27C	—	27C CERTIFIED @ ASTM specified test points of 155, 165, 175°C	
250-000-28C	28C	31C	Kinematic Viscosity @ 37.8C	36.6 to 39.4°C
250-004-28C	28C	31C	28C CERTIFIED @ ASTM specified test points of 0, 37.8, 39°C	
250-000-28F	28F	—	Kinematic Viscosity @ 100F	97.5 to 102.5°F
250-004-28F	28F	—	28F CERTIFIED @ ASTM specified test points of 32, 100, 102°F	

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250-000-29C	29C	34C	Kinematic Viscosity @ 54.4C	52.6 to 55.4°C
250-004-29C	29C	34C	29C CERTIFIED @ ASTM specified test points of 0, 54.4, 55°C	
250-000-29F	29F	—	Kinematic Viscosity @ 130F	127.5 to 132.5°F
250-004-29F	29F	—	29F CERTIFIED @ ASTM specified test points of 32, 130, 132°F	
250-000-30F	30F	32F	Kinematic Viscosity @ 210F	207.5 to 212.5°F
250-004-30F	30F	32F	30F CERTIFIED @ ASTM specified test points of 32, 210, 212°F	
250-000-31F	31F	—	Reid Vapor	-30 to +120°F
250-004-31F	31F	—	31F CERTIFIED @ ASTM specified test points of -20, +32, 100°F	
250-000-33C	33C	20C	Aniline Point	-38 to +42°C
250-004-33C	33C	20C	33C CERTIFIED @ ASTM specified test points of -35, -20, 0, +20, 40°C	
250-000-33F	33F	—	Aniline Point	-36.5 to +107.5°F
250-004-33F	33F	—	33F CERTIFIED @ ASTM specified test points of -31, -4, +32, 68, 104°F	
250-000-34C	34C	21C	Aniline Point	25 to 105°C
250-004-34C	34C	21C	34C CERTIFIED @ ASTM specified test points of 25, 45, 65, 85, 100°C	
250-000-34F	34F	—	Aniline Point	77 to 221°F
250-004-34F	34F	—	34F CERTIFIED @ ASTM specified test points of 77, 113, 149, 185, 212°F	
250-000-35C	35C	59C	Aniline Point	90 to 170°C
250-004-35C	35C	59C	35C CERTIFIED @ ASTM specified test points of 100, 120, 140, 160, 170°C	
250-000-35F	35F	—	Aniline Point	194 to 338°F
250-004-35F	35F	—	35F CERTIFIED @ ASTM specified test points of 212, 250, 285, 320, 338°F	
250-000-36C	36C	—	Titer Test	-2 to +68°C
250-004-36C	36C	—	36C CERTIFIED @ ASTM specified test points of 0, 15, 30, 45, 65°C	
250-000-37C	37C	77C	Solvents Distillation	-2 to +52°C
250-004-37C	37C	77C	37C CERTIFIED @ ASTM specified test points of 0, 15, 30, 50°C	
250-000-38C	38C	78C	Solvents Distillation	24 to 78°C
250-004-38C	38C	78C	38C CERTIFIED @ ASTM specified test points of 25, 40, 55, 75°C	
250-000-39C	39C	79C	Solvents Distillation	48 to 102°C
250-004-39C	39C	79C	39C CERTIFIED @ ASTM specified test points of 50, 65, 80, 100°C	
250-000-40C	40C	80C	Solvents Distillation	72 to 126°C
250-004-40C	40C	80C	40C CERTIFIED @ ASTM specified test points of 75, 90, 105, 125°C	
250-000-41C	41C	81C	Solvents Distillation	98 to 152°C
250-004-41C	41C	81C	41C CERTIFIED @ ASTM specified test points of 100, 115, 130, 150°C	
250-000-42C	42C	82C	Solvents Distillation	95 to 255°C
250-004-42C	42C	82C	42C CERTIFIED @ ASTM specified test points of 100, 150, 200, 250°C	
250-000-43C	43C	65C	Kinematic Viscosity	-51.6 to -34°C
250-004-43C	43C	65C	43C CERTIFIED @ ASTM specified test points of -50, -45, -40, -35, 0°C	
250-000-43F	43F	65F	Kinematic Viscosity	-61 to -29°F
250-004-43F	43F	65F	43F CERTIFIED @ ASTM specified test points of -60, -50, -40, -30, +32°F	
250-000-44C	44C	29C	Kinematic Viscosity @ 20C	18.5 to 21.5°C
250-004-44C	44C	29C	44C CERTIFIED @ ASTM specified test points of 0, 20, 21°C	
250-000-44F	44F	29F	Kinematic Viscosity @ 68F	66.5 to 71.5°F
250-004-44F	44F	29F	44F CERTIFIED @ ASTM specified test points of 32, 68, 70°F	
250-000-45C	45C	30C	Kinematic Viscosity @ 25C	23.6 to 26.4°C
250-004-45C	45C	30C	45C CERTIFIED @ ASTM specified test points of 0, 25, 26°C	
250-000-45F	45F	30F	Kinematic Viscosity @ 77F	74.5 to 79.5°F
250-004-45F	45F	30F	45F CERTIFIED @ ASTM specified test points of 32, 77, 79°F	
250-000-46C	46C	66C	Kinematic Viscosity @ 50C	48.6 to 51.4°C
250-004-46C	46C	66C	46C CERTIFIED @ ASTM specified test points of 0, 50, 51°C	
250-000-46F	46F	66F	Kinematic Viscosity @ 122F	119.5 to 124.5°F
250-004-46F	46F	66F	46F CERTIFIED @ ASTM specified test points of 32, 122, 124°F	

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Catalog Number	ASTM Designation	IP Reference	Name	Range
250-000-47C	47C	35C	Kinematic Viscosity @ 60C	58.6 to 61.4°C
250-004-47C	47C	35C	47C CERTIFIED @ ASTM specified test points of 0, 60, 61°C	
250-000-47F	47F	35F	Kinematic Viscosity @ 140F	137.5 to 142.5°F
250-004-47F	47F	35F	47F CERTIFIED @ ASTM specified test points of 32, 140, 142°F	
250-000-48C	48C	90C	Kinematic Viscosity @ 82.2C	80.6 to 83.4°C
250-004-48C	48C	90C	48C CERTIFIED @ ASTM specified test points of 0, 82.2, 83°C	
250-000-48F	48F	90F	Kinematic Viscosity @ 180F	177.5 to 182.5°F
250-004-48F	48F	90F	48F CERTIFIED @ ASTM specified test points of 32, 180, 182°F	
250-000-49C	49C	—	Stormer Viscosity	20 to 70°C
250-004-49C	49C	—	49C CERTIFIED @ ASTM specified test points of 20, 35, 50, 70°C	
250-000-50F	50F	—	Gas Calorimeter Inlet	54 to 101°F
250-004-50F	50F	—	50F CERTIFIED @ ASTM specified test points of 55, 60, 65, 70, 75, 80, 85, 90, 95, 100°F	
250-000-51F	51F	—	Gas Calorimeter Outlet	69 to 116°F
250-004-51F	51F	—	51F CERTIFIED @ ASTM specified test points of 70, 75, 80, 85, 90, 95, 100, 105, 110, 115°F	
250-000-52C	52C	—	Butadiene Boiling Point	-10 to +5°C
250-004-52C	52C	—	52C CERTIFIED @ ASTM specified test points of -10, 0, +5°C	
250-000-53C	53C	—	Benzene Freezing Pt	-0.6 to +10.4°C
250-004-53C	53C	—	53C CERTIFIED @ ASTM specified test points of 0, 5, 10°C	
250-000-54C	54C	18C	Congealing Point	20 to 100.6°C
250-004-54C	54C	18C	54C CERTIFIED @ ASTM specified test points of 20, 50, 75, 100°C	
250-000-54F	54F	18F	Congealing Point	68 to 213°F
250-004-54F	54F	18F	54F CERTIFIED @ ASTM specified test points of 70, 120, 170, 210°F	
250-000-56C	56C	—	Bomb Calorimeter	19 to 35°C
250-004-56C	56C	—	56C CERTIFIED @ ASTM specified test points of 19, 21, 23, 25, 27, 29, 31°C	
250-000-56F	56F	—	Bomb Calorimeter	66 to 95°F
250-004-56F	56F	—	56F CERTIFIED @ ASTM specified test points of 66, 70, 74, 78, 82, 88, 92, 95°F	
250-000-57C	57C	—	Tag Closed Tester Low Range	-20 to +50°C
250-004-57C	57C	—	57C CERTIFIED @ ASTM specified test points of -20, 0, 25, +50°C	
250-000-57F	57F	—	Tag Closed Tester Low Range	-4 to +122°F
250-004-57F	57F	—	57F CERTIFIED @ ASTM specified test points of -3, +32, 77, 122°F	
250-000-58C	58C	—	Tank Gauging	-34 to +49°C
250-004-58C	58C	—	58C CERTIFIED @ ASTM specified test points of -30, 0, +25, 45°C	
250-000-58F	58F	—	Tank Gauging	-30 to +120°F
250-004-58F	58F	—	58F CERTIFIED @ ASTM specified test points of -20, +32, 80, 120°F	
250-000-59C	59C	—	Tank Gauging	-18 to +82°C
250-004-59C	59C	—	59C CERTIFIED @ ASTM specified test points of 0, 25, 55, 80°C	
250-000-59F	59F	—	Tank Gauging	0 to 180°F
250-004-59F	59F	—	59F CERTIFIED @ ASTM specified test points of 32, 80, 130, 180°F	
250-000-60C	60C	—	Tank Gauging	77 to 260°C
250-004-60C	60C	—	60C CERTIFIED @ ASTM specified test points of 100, 175, 255°C	
250-000-60F	60F	—	Tank Gauging	170 to 500°F
250-004-60F	60F	—	60F CERTIFIED @ ASTM specified test points of 212, 350, 490°F	
250-000-61C	61C	63C	Petrolatum Melting Point	32 to 127°C
250-004-61C	61C	63C	61C CERTIFIED @ ASTM specified test points of 40, 60, 80, 100, 120°C	
250-000-61F	61F	—	Petrolatum Melting Point	90 to 260°F
250-004-61F	61F	—	61F CERTIFIED @ ASTM specified test points of 100, 150, 200, 250°F	
250-000-62C	62C	—	Reference Standard	-38 to +2°C
250-004-62C	62C	—	62C CERTIFIED @ ASTM specified test points of -37, -30, -20, -10, 0°C	
250-000-62F	62F	—	Reference Standard	-36 to +35°F
250-004-62F	62F	—	62F CERTIFIED @ ASTM specified test points of -35, -15, 0, +15, 32°F	

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250-000-63C	63C	—	Reference Standard	-8 to +32°C
250-004-63C	63C	—	63C CERTIFIED @ ASTM specified test points of -7, 0, +10, 20, 30°C	
250-000-63F	63F	—	Reference Standard	18 to 89°F
250-004-63F	63F	—	63F CERTIFIED @ ASTM specified test points of 20, 32, 50, 70, 88°F	
250-000-64C	64C	—	Reference Standard	25 to 55°C
250-004-64C	64C	—	64C CERTIFIED @ ASTM specified test points of 0, 25, 35, 45, 55°C	
250-000-64F	64F	—	Reference Standard	77 to 131°F
250-004-64F	64F	—	64F CERTIFIED @ ASTM specified test points of 32, 80, 95, 115, 130°F	
250-000-65C	65C	—	Reference Standard	50 to 80°C
250-004-65C	65C	—	65C CERTIFIED @ ASTM specified test points of 0, 50, 60, 70, 80°C	
250-000-65F	65F	—	Reference Standard	122 to 176°F
250-004-65F	65F	—	65F CERTIFIED @ ASTM specified test points of 32, 125, 145, 160, 175°F	
250-000-66C	66C	—	Reference Standard	75 to 105°C
250-004-66C	66C	—	66C CERTIFIED @ ASTM specified test points of 0, 75, 85, 95, 105°C	
250-000-66F	66F	—	Reference Standard	167 to 221°F
250-004-66F	66F	—	66F CERTIFIED @ ASTM specified test points of 32, 168, 185, 200, 220°F	
250-000-67C	67C	—	Reference Standard	95 to 155°C
250-004-67C	67C	—	67C CERTIFIED @ ASTM specified test points of 0, 100, 110, 130, 150°C	
250-000-67F	67F	—	Reference Standard	203 to 311°F
250-004-67F	67F	—	67F CERTIFIED @ ASTM specified test points of 32, 205, 240, 275, 310°F	
250-000-68C	68C	—	Reference Standard	145 to 205°C
250-004-68C	68C	—	68C CERTIFIED @ ASTM specified test points of 0, 150, 170, 190, 205°C	
250-000-68F	68F	—	Reference Standard	293 to 401°F
250-004-68F	68F	—	68F CERTIFIED @ ASTM specified test points of 32, 300, 340, 370, 400°F	
250-000-69C	69C	—	Reference Standard	195 to 305°C
250-004-69C	69C	—	69C CERTIFIED @ ASTM specified test points of 0, 200, 235, 270, 305°C	
250-000-69F	69F	—	Reference Standard	383 to 581°F
250-004-69F	69F	—	69F CERTIFIED @ ASTM specified test points of 32, 400, 460, 520, 580°F	
250-000-70C	70C	—	Reference Standard	295 to 405°C
250-004-70C	70C	—	70C CERTIFIED @ ASTM specified test points of 0, 300, 335, 370, 400°C	
250-000-70F	70F	—	Reference Standard	563 to 761°F
250-004-70F	70F	—	70F CERTIFIED @ ASTM specified test points of 32, 570, 640, 700, 760°F	
250-000-71C	71C	72C	Oil in Wax	-37 to +21°C
250-004-71C	71C	72C	71C CERTIFIED @ ASTM specified test points of -35, -18, 0, +20°C	
250-000-71F	71F	72F	Oil in Wax	-35 to +70°F
250-004-71F	71F	72F	71F CERTIFIED @ ASTM specified test points of -30, 0, +32, 70°F	
250-000-72C	72C	67C	Kinematic Viscosity @ -17.8C	-19.4 to -16.6°C
250-004-72C	72C	67C	72C CERTIFIED @ ASTM specified test points of -19, -17.8, 0°C	
250-000-72F	72F	67F	Kinematic Viscosity @ 0F	-2.5 to +2.5°F
250-004-72F	72F	67F	72F CERTIFIED @ ASTM specified test points of -2, 0, +32°F	
250-000-73C	73C	68C	Kinematic Viscosity @ -40C	-41.4 to -38.6°C
250-004-73C	73C	68C	73C CERTIFIED @ ASTM specified test points of -41, -40, 0°C	
250-000-73F	73F	68F	Kinematic Viscosity @ -40F	-42.5 to -37.5°F
250-004-73F	73F	68F	73F CERTIFIED @ ASTM specified test points of -42, -40, +32°F	
250-000-74C	74C	69C	Kinematic Viscosity @ -53.9C	-55.4 to -52.6°C
250-004-74C	74C	69C	74C CERTIFIED @ ASTM specified test points of -55, -53.9, 0°C	
250-000-74F	74F	69F	Kinematic Viscosity @ -65F	-67.5 to -62.5°F
250-004-74F	74F	69F	74F CERTIFIED @ ASTM specified test points of -67, -65, +32°F	
250-000-75F	75F	—	Coolant Freezing Point	-35 to +35°F
250-004-75F	75F	—	75F CERTIFIED @ ASTM specified test points of -35, 0, +32°F	

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ASTM THERMOMETERS

Catalog Number	ASTM Designation	IP Reference	Name	Range
250-000-76F	76F	—	Coolant Freezing Point	-65 to +5°F
250-004-76F	76F	—	76F CERTIFIED @ ASTM specified test points of -65, -30, +32°F	
250-000-77F	77F	—	Saybolt Viscosity	245 to 265°F
250-004-77F	77F	—	77F CERTIFIED @ ASTM specified test points of 250, 260°F	
250-000-78F	78F	—	Saybolt Viscosity	295 to 315°F
250-004-78F	78F	—	78F CERTIFIED @ ASTM specified test points of 300, 310°F	
250-000-79F	79F	—	Saybolt Viscosity	345 to 365°F
250-004-79F	79F	—	79F CERTIFIED @ ASTM specified test points of 350, 360°F	
250-000-80F	80F	—	Saybolt Viscosity	395 to 415°F
250-004-80F	80F	—	80F CERTIFIED @ ASTM specified test points of 400, 410°F	
250-000-81F	81F	—	Saybolt Viscosity	445 to 465°F
250-004-81F	81F	—	81F CERTIFIED @ ASTM specified test points of 450, 460°F	
250-000-82C	82C	—	Fuel Rating, Engine	-15 to +105°C
250-004-82C	82C	—	82C CERTIFIED @ ASTM specified test points of 0, 50, 100°C	
250-000-82F	82F	—	Fuel Rating, Engine	0 to 220°F
250-004-82F	82F	—	82F CERTIFIED @ ASTM specified test points of 32, 100, 200°F	
250-000-83C	83C	—	Fuel Rating, Air	15 to 70°C
250-004-83C	83C	—	83C CERTIFIED @ ASTM specified test points of 25, 70°C	
250-000-83F	83F	—	Fuel Rating, Air	60 to 160°F
250-004-83F	83F	—	83F CERTIFIED @ ASTM specified test points of 85, 135°F	
250-000-84C	84C	—	Fuel Rating, Orifice	25 to 80°C
250-004-84C	84C	—	84C CERTIFIED @ ASTM specified test points of 30, 80°C	
250-000-84F	84F	—	Fuel Rating, Orifice	75 to 175°F
250-004-84F	84F	—	84F CERTIFIED @ ASTM specified test points of 100, 150°F	
250-000-85C	85C	—	Fuel Rating, Surge	40 to 150°C
250-004-85C	85C	—	85C CERTIFIED @ ASTM specified test points of 50, 150°C	
250-000-85F	85F	—	Fuel Rating, Surge	100 to 300°F
250-004-85F	85F	—	85F CERTIFIED @ ASTM specified test points of 150, 250°F	
250-000-86C	86C	—	Fuel Rating, Mix	95 to 175°C
250-004-86C	86C	—	86C CERTIFIED @ ASTM specified test points of 100, 175°C	
250-000-86F	86F	—	Fuel Rating, Mix	200 to 350°F
250-004-86F	86F	—	86F CERTIFIED @ ASTM specified test points of 225, 325°F	
250-000-87C	87C	—	Fuel Rating, Coolant	150 to 205°C
250-004-87C	87C	—	87C CERTIFIED @ ASTM specified test points of 160, 200°C	
250-000-87F	87F	—	Fuel Rating, Coolant	300 to 400°F
250-004-87F	87F	—	87F CERTIFIED @ ASTM specified test points of 300, 400°F	
250-000-88C	88C	—	Vegetable Oil Flash	10 to 200°C
250-004-88C	88C	—	88C CERTIFIED @ ASTM specified test points of 40, 100, 150, 200°C	
250-000-88F	88F	—	Vegetable Oil Flash	50 to 392°F
250-004-88F	88F	—	88F CERTIFIED @ ASTM specified test points of 110, 212, 300, 392°F	
250-000-89C	89C	—	Solidification Point	-20 to +10°C
250-004-89C	89C	—	89C CERTIFIED @ ASTM specified test points of -20, -10, 0, +10°C	
250-000-90C	90C	—	Solidification Point	0 to 30°C
250-004-90C	90C	—	90C CERTIFIED @ ASTM specified test points of 0, 10, 20, 30°C	
250-000-91C	91C	—	Solidification Point	20 to 50°C
250-004-91C	91C	—	91C CERTIFIED @ ASTM specified test points of 20, 30, 40, 50°C	
250-000-92C	92C	—	Solidification Point	40 to 70°C
250-004-92C	92C	—	92C CERTIFIED @ ASTM specified test points of 40, 50, 60, 70°C	
250-000-93C	93C	—	Solidification Point	60 to 90°C
250-004-93C	93C	—	93C CERTIFIED @ ASTM specified test points of 60, 70, 80, 90°C	

ASTM THERMOMETERS

Catalog Number	ASTM Designation	IP Reference	Name	Range
250-000-94C	94C	—	Solidification Point	80 to 110°C
250-004-94C	94C	—	94C CERTIFIED @ ASTM specified test points of 80, 90, 100, 110°C	
250-000-95C	95C	—	Solidification Point	100 to 130°C
250-004-95C	95C	—	95C CERTIFIED @ ASTM specified test points of 100, 110, 120, 130°C	
250-000-96C	96C	—	Solidification Point	120 to 150°C
250-004-96C	96C	—	96C CERTIFIED @ ASTM specified test points of 120, 130, 140, 150°C	
250-000-97C	97C	—	Tank Gauging	-18 to +49°C
250-004-97C	97C	—	97C CERTIFIED @ ASTM specified test points of -15, 0, +20, 45°C	
250-000-97F	97F	—	Tank Gauging	0 to 120°F
250-004-97F	97F	—	97F CERTIFIED @ ASTM specified test points of 0, 32, 70, 110°F	
250-000-98C	98C	—	Tank Gauging	16 to 82°C
250-004-98C	98C	—	98C CERTIFIED @ ASTM specified test points of 20, 40, 60, 80°C	
250-000-98F	98F	—	Tank Gauging	60 to 180°F
250-004-98F	98F	—	98F CERTIFIED @ ASTM specified test points of 60, 100, 140, 180°F	
250-000-99C	99C	—	Weathering Test	-50 to +5°C
250-004-99C	99C	—	99C CERTIFIED @ ASTM specified test points of -46, -32, -18, 0°C	
250-000-99F	99F	—	Weathering Test	-58 to +41°F
250-004-99F	99F	—	99F CERTIFIED @ ASTM specified test points of -50, -25, 0, +32°F	
250-000-100C	100C	—	Solidification Point	145 to 205°C
250-004-100C	100C	—	100C CERTIFIED @ ASTM specified test points of 145, 165, 185, 205°C	
250-000-101C	101C	—	Solidification Point	195 to 305°C
250-004-101C	101C	—	101C CERTIFIED @ ASTM specified test points of 200, 250, 300°C	
250-000-102C	102C	83C	Solvents Distillation	123 to 177°C
250-004-102C	102C	83C	102C CERTIFIED @ ASTM specified test points of 125, 140, 155, 175°C	
250-000-103C	103C	84C	Solvents Distillation	148 to 202°C
250-004-103C	103C	84C	103C CERTIFIED @ ASTM specified test points of 150, 165, 180, 200°C	
250-000-104C	104C	85C	Solvents Distillation	173 to 227°C
250-004-104C	104C	85C	104C CERTIFIED @ ASTM specified test points of 175, 190, 205, 225°C	
250-000-105C	105C	86C	Solvents Distillation	198 to 252°C
250-004-105C	105C	86C	105C CERTIFIED @ ASTM specified test points of 200, 215, 230, 250°C	
250-000-106C	106C	87C	Solvents Distillation	223 to 277°C
250-004-106C	106C	87C	106C CERTIFIED @ ASTM specified test points of 225, 240, 255, 275°C	
250-000-107C	107C	88C	Solvents Distillation	248 to 302°C
250-004-107C	107C	88C	107C CERTIFIED @ ASTM specified test points of 250, 265, 280, 300°C	
250-000-108F	108F	—	Saybolt Viscosity	270 to 290°F
250-004-108F	108F	—	108F CERTIFIED @ ASTM specified test points of 275, 285°F	
250-000-109F	109F	—	Saybolt Viscosity	320 to 340°F
250-004-109F	109F	—	109F CERTIFIED @ ASTM specified test points of 325, 335°F	
250-000-110C	110C	93C	Kinematic Viscosity @ 135C	133.6 to 136.4°C
250-004-110C	110C	93C	110C CERTIFIED @ ASTM specified test points of 0, 135, 136°C	
250-000-110F	110F	—	Kinematic Viscosity @ 275F	272.5 to 277.5°F
250-004-110F	110F	—	110F CERTIFIED @ ASTM specified test points of 32, 275, 277°F	
250-000-111C	111C	—	Tar Acid Distillation	170 to 250°C
250-004-111C	111C	—	111C CERTIFIED @ ASTM specified test points of 170, 200, 250°C	
250-000-112C	112C	—	Solidification Benzene	4 to 6°C
250-004-112C	112C	—	112C CERTIFIED @ ASTM specified test points of 0, 4, 5, 6°C	
250-000-113C	113C	89C	Bituminous Materials Softening Point	-1 to +175°C
250-004-113C	113C	89C	113C CERTIFIED @ ASTM specified test points of 0, 50, 100, 150, 175°C	
250-000-113F	113F	89F	Bituminous Materials Softening Point	30 to 350°F
250-004-113F	113F	89F	113F CERTIFIED @ ASTM specified test points of 32, 122, 212, 302, 347°F	

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ASTM THERMOMETERS

Catalog Number	ASTM Designation	IP Reference	Name	Range
250-000-114C	114C	14C	Aviation Fuel Freezing Point	-80 to +20°C
250-004-114C	114C	14C	114C CERTIFIED @ ASTM specified test points of -75, -60, -40, 0°C	
250-000-114F	114F	—	Aviation Fuel Freezing Point	-112 to +70°F
250-004-114F	114F	—	114F CERTIFIED @ ASTM specified test points of -103, -76, -40, +32°F	
250-000-115C	115C	—	Beckman Differential	0 to 6°C CERTIFICATION DOES NOT APPLY
250-000-116C	116C	—	Bomb Colorimeter	18.9 to 25.1°C
250-004-116C	116C	—	116C CERTIFIED @ ASTM specified test points of 19, 20, 21, 22, 23, 24, 25°C	
250-000-117C	117C	—	Bomb Calorimeter	23.9 to 30.1°C
250-004-117C	117C	—	117C CERTIFIED @ ASTM specified test points of 24, 25, 26, 27, 28, 29, 30°C	
250-000-118C	118C	—	Kinematic Viscosity @ 30C	28.6 to 31.4°C
250-004-118C	118C	—	118C CERTIFIED @ ASTM specified test points of 0, 30, 31°C	
250-000-118F	118F	—	Kinematic Viscosity @ 86F	83.5 to 88.5°F
250-004-118F	118F	—	118F CERTIFIED @ ASTM specified test points of 32, 86, 88°F	
250-000-119C	119C	—	Coolant Freezing Point	-38.3 to -30°C
250-004-119C	119C	—	119C CERTIFIED @ ASTM specified test points of -38, -30, 0°C	
250-000-119F	119F	—	Coolant Freezing Point	-37 to -22°F
250-004-119F	119F	—	119F CERTIFIED @ ASTM specified test points of -36, -22, +32°F	
250-000-120C	120C	92C	Kinematic Viscosity @ 40C	38.6 to 41.4°C
250-004-120C	120C	92C	120C CERTIFIED @ ASTM specified test points of 0, 40, 41°C	
250-000-121C	121C	32C	Kinematic Viscosity @ 100C	98.6 to 101.4°C
250-004-121C	121C	32C	121C CERTIFIED @ ASTM specified test points of 0, 100, 101°C	
250-000-122C	122C	94C	Brookfield Viscosity	-45 to -35°C
250-004-122C	122C	94C	122C CERTIFIED @ ASTM specified test points of -45, -40, -35°C	
250-000-123C	123C	95C	Brookfield Viscosity	-35 to -25°C
250-004-123C	123C	95C	123C CERTIFIED @ ASTM specified test points of -35, -30, -25°C	
250-000-124C	124C	96C	Brookfield Viscosity	-25 to -15°C
250-004-124C	124C	96C	124C CERTIFIED @ ASTM specified test points of -25, -20, -15°C	
250-000-125C	125C	97C	Brookfield Viscosity	-15 to -5°C
250-004-125C	125C	97C	125C CERTIFIED @ ASTM specified test points of -15, -10, -5°C	
250-000-126C	126C	71C	Kinematic Viscosity @ -26.1C	-27.4 to -24.6°C
250-004-126C	126C	71C	126C CERTIFIED @ ASTM specified test points of -27, -26.1, 0°C	
250-000-126F	126F	71F	Kinematic Viscosity @ -15F	-17.5 to -12.5°F
250-004-126F	126F	71F	126F CERTIFIED @ ASTM specified test points of -17, -15, +32°F	
250-000-127C	127C	99C	Kinematic Viscosity @ -20C	-21.4 to -18.6°C
250-004-127C	127C	99C	127C CERTIFIED @ ASTM specified test points of -21, -20, 0°C	
250-000-128C	128C	33C	Kinematic Viscosity @ 0C	-1.4 to +1.4°C
250-004-128C	128C	33C	128C CERTIFIED @ ASTM specified test points of 0, 1°C	
250-000-128F	128F	33F	Kinematic Viscosity @ 32F	29.5 to 34.5°F
250-004-128F	128F	33F	128F CERTIFIED @ ASTM specified test points of 32, 34°F	
250-000-129C	129C	36C	Kinematic Viscosity @ 93.3C	91.6 to 94.4°C
250-004-129C	129C	36C	129C CERTIFIED @ ASTM specified test points of 0, 93.3, 94°C	
250-000-129F	129F	36F	Kinematic Viscosity @ 200F	197.5 to 202.5°F
250-004-129F	129F	36F	129F CERTIFIED @ ASTM specified test points of 32, 200, 202°F	
250-000-130C	130C	—	Tank Gauging	-7 to +105°C
250-004-130C	130C	—	130C CERTIFIED @ ASTM specified test points of 0, 35, 70, 105°C	
250-000-130F	130F	—	Tank Gauging	20 to 220°F
250-004-130F	130F	—	130F CERTIFIED @ ASTM specified test points of 32, 100, 160, 220°F	
250-000-132C	132C	—	Kinematic Viscosity @ 150C	148.6 to 151.4°C
250-004-132C	132C	—	132C CERTIFIED @ ASTM specified test points of 0, 150, 151°C	