



PRICE LIST (Effective 08/12/09, 2050-46)

Toll Free: (877) 782-2329
 International: (310) 478-1134
 FAX: (310) 312-0826
 All prices subject to change



email: sales@ptc1.com
 website: <http://www.ptc1.com>

2301 FEDERAL AVENUE
 LOS ANGELES, CA 90064-1482

DUROMETERS

	MODEL	DESCRIPTION	PRICE
Type A	201	Analog Pencil Style	495.00
ASTM D2240	211	Digital Pencil Style	1100.00
JIS K6253	306L	Classic Style	495.00
ISO 868	408	Ergo Style	495.00
	501A	Analog ℓ 2000™	495.00
	511A	Digital ℓ 2000™	1155.00
Type AO	408AO-7619	Analog Ergo Style	775.00
ISO 7619-1			
Type B	201B	Analog Pencil Style	565.00
ASTM D2240	211B	Digital Pencil Style	1155.00
	306BL	Classic Style	525.00
	408B	Ergo Style	565.00
	501B	Analog ℓ 2000™	565.00
	511B	Digital ℓ 2000™	1155.00
Type C	202C	Analog Pencil Style	565.00
ASTM D2240	212C	Digital Pencil Style	1155.00
	307CL	Classic Style	525.00
	409C	Ergo Style	565.00
	502C	Analog ℓ 2000™	565.00
	512C	Digital ℓ 2000™	1155.00
Type D	202	Analog Pencil Style	495.00
ASTM D2240	212	Digital Pencil Style	1100.00
JIS K6253	307L	Classic Style	495.00
ISO 868	409	Ergo Style	495.00
	502D	Analog ℓ 2000™	495.00
	512D	Digital ℓ 2000™	1155.00
Type DO	202DO	Analog Pencil Style	565.00
ASTM D2240	212DO	Digital Pencil Style	1155.00
	413	Ergo Style Durometer	565.00
	502DO	Analog ℓ 2000™	565.00
	512DO	Digital ℓ 2000™	1155.00
Type E	408E	Ergo Style	575.00
ASTM D2240	501E	Analog ℓ 2000™ Style	575.00
	511E	Digital ℓ 2000™ Style	1155.00
Type O	201/O	Analog Pencil Style	565.00
ASTM D2240	211/O	Digital Pencil Style	1155.00
	410	Ergo Style	565.00
	501/O	Analog ℓ 2000™	565.00
	511/O	Digital ℓ 2000™	1155.00
Type OO	203	Analog Pencil Style (No Max Hand)	565.00
ASTM D2240	411	Ergo Style (No Max Hand)	565.00
	511/OO	Digital ℓ 2000™	1295.00
Type OOO	412	Classic Style (No Max-hand, per ASTM)	565.00
ASTM D2240	412L	Classic Style (With Max-hand, non ASTM)	565.00

DUROMETERS, cont'd.

	MODEL	DESCRIPTION	PRICE
Type CF	414CF	Composite Foam Durometer	*550.00
ASTM F1957			
Type SL	302SL	Hardness Tester for Foam & Sponge Rubber	535.00
Type C	601	Analog Pencil Style (SRIS-0101)	660.00
SRIS-0101	603	Classic Style (JIS K7312 & SRIS-0101)	650.00
JIS K7312	604	Ergo Style (SRIS-0101)	650.00
	611	Digital Pencil Style (SRIS-0101)	1100.00
Type F	ASKER F	Durometer for Foam & Sponge Rubber	650.00
Type A	JIS A	Durometer (JIS K6301)	565.00
JIS K6301			

To order an ASTM designated 'R' version of any ASTM D2240 Type A, B, C, D, DO, or O durometer, add \$75.00 to the basic price of any Analog ℓ 2000™ Style durometer

DUROMETER STANDS

MODEL	DESCRIPTION	PRICE
320	Spring Load Cell Stand for ASTM Type A, B, C, D, DO, & O	815.00
470	Deadweight Stand (400 g) for 302SL, Type OO, or Type OOO	750.00
471	Deadweight Stand (1 kg) for Classic & Ergo Type A, B, & O Durometers	815.00
472	Constaloder™ Test Stand (1 kg) for Classic & Ergo Style Type A, B, & O	1450.00
472-1	Constaloder™ Test Stand (1 kg) for ℓ 2000™ Type A, B, & O	1450.00
472-2	Constaloder™ Test Stand (1 kg) for Pencil Style Type A, B, & O	1450.00
473	Deadweight Stand (1 kg & 5 kg) for Classic & Ergo Type A, B, C, D, DO, & O Durometers	920.00
474	Constaloder™ Test Stand (5 kg) for Classic & Ergo Style Type C, D, & DO	1650.00
474-1	Constaloder™ Test Stand (5 kg) for ℓ 2000™ Style Type C, D, & DO	1650.00
474-2	Constaloder™ Test Stand (5 kg) for Pencil Style Type C, D, & DO	1650.00
475	Deadweight Stand (5 kg) for Type C, D, & DO Durometers	865.00
476	Deadweight Stand (1 kg) for Pencil Style Durometers Type A, B, & O	890.00
477	Deadweight Stand (5 kg) for Pencil Style Durometers Type C, D, & DO	925.00
478	Deadweight Test Stand (1 kg) for ℓ 2000™ Type A, B, & O	890.00
479	Deadweight Test Stand (5 kg) for ℓ 2000™ Type C, D, & DO	925.00

DUROMETER ACCESSORIES & PARTS

Model	Description	Price
211.60	Batteries (2 pack CR2450).....	26.25
211.80	Batteries (4 pack V675 AT 1.4V)	26.25
211.81	AC Adapter (120 VAC)	25.00
211.89	AC Adapter Converter (220 VAC)	50.00
307HF.9	Belt Case - Water Resistant.....	39.00
401	Test Block-Type A	55.00
401B	Test Block-Type B	55.00
401O	Test Block-Type O.....	55.00
402	Test Block-Type D.....	55.00
402C	Test Block-Type C.....	55.00
402DO	Test Block-Type DO	55.00
403	Test Block-Type OO.....	55.00
404	Test Block-Type OOO	55.00
405	Test Block-Type 302SL.....	55.00
441	Load Weight (1 kg).....	135.00

DUROMETER CERTIFICATION

CERTDURO

..... *105.00



PTC Metrology® is accredited by A2LA for durometer calibration to ISO/IEC 17025 & ANSI/NCCL Z540-1. NIST covered by current ASTM D2240, ASTM F1957, ISO 868, ISO 7619, and DIN 53505 Standards.

The Calibration Report will include both "as received" and "as left" data. Complete durometer calibration includes: indenter geometry and extension, indicator linearity, and force curve.

Other durometer types, custom models, and durometers of any manufacture can also be certified by PTC Metrology®.

OPTICAL INSTRUMENTS

Model	Description	Price
232B	Rack & Pinion Microscope	299.00
	Microscope with Metric Reticle	310.00
233	Pocket Microscope	147.00
235	Pocket Microscope with Flashlight.....	205.00
239	Hand Lens	55.00
243	Polariscope (6 in.) with Tint Plate.....	785.00

STEEL HARDNESS TESTERS

Model	Description	Price
316	Portable Steel Hardness Tester Equivalent Rockwell C Scale (Complete) ...	695.00
	Spare Parts:	
316.2	Calibrated Indenter.....	190.00
316.22	Indenter Tip	70.00
316.29H	Test Block (50 thru 65HRC)	60.00
316.29L	Test Block (40 thru 49HRC)	60.00
316.29S	Test Block (30 thru 39HRC)	60.00
316.8	Fiber Optic Light Kit	95.00
415B	Steel Hardness Tester Equivalent Rockwell B Scale	890.00
	Spare Parts:	
415.29H	Test Block (85 thru 100HRB)	63.00
415C	Steel Hardness Tester Equivalent Rockwell C Scale	995.00
	Spare Parts:	
316.29H	Test Block (50 thru 65 HRC)	60.00
316.29L	Test Block (40 thru 49 HRC)	60.00
316.29S	Test Block (30 thru 39 HRC)	60.00
450	Brinell Microscope Reader (With MagLite® Flashlight Illuminator).....	240.00

TEST BLOCK CERTIFICATION

Model	Description	Price
CERT-E18	*65.00

DIGITAL THERMOMETERS

Model	Description	Price
11000	Flash Check® Jumbo Display Reduced Tip Probe Thermometer	*25.00
11001	Flash Check® Jumbo Display Industrial Reduced Tip Probe Thermometer	*25.00
11036	Waterproof Max-Min Thermometer.....	*20.00
12207	Max-Min Alarm Thermometer	*30.00
1246-01	Pocket Test Thermometer (-40/+180°F).....	*9.50
1246-02	Pocket Test Thermometer (0/220°F).....	*9.50
1246-03	Pocket Test Thermometer (50/550°F).....	*9.50
13306	Pen Type Thermo-Hygrometer	*50.00
13307	Jumbo Display Thermo-Hygrometer.....	*30.00
14001 thru 14006	Temp/Humidity Chart Recorder (includes 30 charts and both pens).....	*350.00
14001	(24-Hour, °F).....	*350.00
14002	(8-Day, °F)	*350.00
14003	(32-Day, °F)	*350.00
14004	(24-Hour, °C)	*350.00



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DIGITAL THERMOMETERS, cont'd.

MODEL	DESCRIPTION	PRICE
14001 thru 14006	Temp/Humidity Chart Recorder (cont'd.)	
14005	..... (8-Day, °C).....	*350.00
14006	..... (32-Day, °C).....	*350.00
	Spare Parts:	
	Charts all ranges (pkg. of 30).....	*22.00
14110	..... Replacement pens (1 red, 1 blue) .	*22.00
14007 thru 14009	.....Electronic Temperature Chart Recorder (includes 4" probe, 2 pens, & 60 assorted charts)	
14007	.....220VAC, °C	*350.00
14008	.....110VAC, °C.....	*350.00
14009	.....110VAC, °F	*350.00
	Spare Parts:	
	Charts all ranges (pkg. of 50).....	*25.00
14226	..... Replacement pen	*10.00
32311K	.....Econo Temp Digital Thermometer	165.00
32322K	.....Econo Temp Plus Digital Thermometer.....	220.00
33032	.....Digital Thermometer (Dual Scale) (reduced tip needle probe)	410.00
33035	.....Digital Thermometer (Dual Scale) (Bell surface probe)	410.00
33040	.....Digital Thermometer (Dual Scale) (Micro Needle Probe)	410.00
33041	.....Digital Thermometer (Dual Scale) (Immersion\ Surface Probe)	410.00
34032	.....Digital Thermometer (Dual Scale) (reduced tip needle probe)	355.00
34035	.....Digital Thermometer (Dual Scale) (Bell surface probe)	355.00
34040	.....Digital Thermometer (Dual Scale) (Micro Needle Probe)	355.00
34041	.....Digital Thermometer (Dual Scale) (Immersion\ Surface Probe)	355.00
333 F or C	... Digital Melting Point Meter (110VAC)	1050.00
334 F or C	... Digital Melting Point Meter (220V)	1050.00
39658	.....Digital Thermometer Type K	355.00
4005I	.....Digital Pipe Clamp Thermometer.....	136.50
CT180	.....Neon Pocket (-40/+180°F) 12-pack	*75.00
CT220	.....Neon Pocket (0/220°F) 12-pack	*75.00
DFF450W	... Dishwater Safe Therm.(-40/+450F).....	*38.50
DPP400W	... Waterproof Pen Style Thermometer.....	*26.00
DPS300	... Swivel Head Pocket Therm. (-58/+302F)....	*20.00

THERMOCOUPLE PROBES

Model	Description	Price
31901	.....Economy Needle (Type K only)	62.00
31903	.....Economy Hand-Held Air (Type K only).....	62.00
31905	.....Economy Bare Tip (Type K only).....	57.00
31907	.....Economy Bell Surface (Type K only).....	92.00
49138	.....36" Bare Tip (Specify J, K, or T)	50.00

THERMOCOUPLE PROBES cont'd.

Model	Description	Price
49140	.....High Temp (Specify J or K)	263.00
50012	.....Bell Surface (Specify J, K, or T)	130.00
50014	.....Weighted Griddle Surface (Specify J, K, or T)	230.00
50101	.....Frozen Product (Specify J, K, or T)	209.00
50207	.....Micro Needle (Specify J, K, or T)	72.00
50208	.....Fry Vat (Specify J, K, or T)	129.00
50209	.....Micro Needle (Specify J, K, or T)	120.00
50306	.....Clip-On Oven (Specify J, K, or T).....	96.00
50318	.....Ceramic Tip Surface (Specify J, K, or T)	126.00
50335	.....Needle (Specify J, K, or T)	85.00
50415	.....Dishwasher (Specify J, K, or T).....	73.00

ANALOG THERMOMETERS

MODEL	DESCRIPTION	PRICE
134AA	.....Rapid Response Air Thermometer.....	75.00
134SP	.....Pocket Stem Thermometer	39.00
309, 310, 311 F or C	(Fully Enclosed) Surface Temp. Thermometer	41.00
310.7	..... Magnet & Leaf Spring.....	7.00
310.8	..... Silicone Adhesive (1/2 oz.)	9.00
312, 313, 314, 315, 330 F or C	(Dual Magnet) Surface Temp. Thermometer	36.00
	With Single Lazy Hand.....	46.00
	With Max-Min Hands	56.00
312DS, 313DS, 314DS, 315DS	(Dual Magnet) Dual Scale Surface Temp. Thermometer	36.00
312T thru 330T F or C	(Tab Mount) Surface Temp. Thermometer	38.00
	With Single Lazy Hand.....	48.00
	With Max-Min Hands	58.00
312FRR thru 350 FRR or CRR	(4 Magnet) Railroad Surface Thermometer	48.00
	With Single Lazy Hand.....	58.00
	With Max-Min Hands	68.00
326	.....Series Pyrometer Kits	
326-IC	.....	175.00
326-CA	.....	175.00
326-LIC	.....	175.00
	Spare Parts:	
326.311	...Meter only for 326-IC	155.00
326.312	...Meter only for 326-CA.....	155.00
326.313	...Meter only for 326-LIC.....	155.00
326-IC.46	...Iron/Constantan Wire (6').....	30.00
326-CA.46	...Chromel/Alumel (6')	30.00
483, 484 or 485 F or C (S, M or L)	Snap-On Pipe Surface Thermometer (Specify clip size: Small, Medium or Large)	49.00

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ANALOG THERMOMETERS, cont'd.

MODEL	DESCRIPTION	PRICE
483, 486, 487 F or C	Spring Held Pipe Surface Thermometer (Includes 486.84 Spring Kit).....	50.00
488 F or C ...	(High Temperature) Spring Held Pipe-Surface Thermometer (includes Spring Kit)	54.00
	Spare Parts:	
	486.84 ...Spring Kit.....	10.00
50101 to 50809	High Temperature ThermoLabels (pack of 144)	Call for pricing
51030, 51031, 51032, & 51033 ...	Tempdot® Time-Temperature Labels (pack.of 50)	75.00
520-315F ...	Tank Surface Thermometer	*97.00
520-315C ...	Tank Surface Thermometer	*97.00
520-312F ...	Tank Surface Thermometer	*97.00
520-312C ...	Tank Surface Thermometer	*97.00
520-350F ...	Tank Surface Thermometer	*97.00
520-350C ...	Tank Surface Thermometer	*97.00
SSK	Safety Strap Kit (thermometer not included) * 25.00	
550F or 555F ...	Fully Enclosed Magnetic Surface Thermometer	85.00
570	Spot Check® Surface Thermometer Basic Thermometer	
	570F	28.00
	571F or 571C	28.00
	572F or 572C	28.00
	573F or 573C	28.00
	Thermometer with 310.7 Magnet & Leaf Spring	
	570FM	33.00
	571FM or 571CM	33.00
	572FM or 572CM	33.00
	573FM or 573CM	33.00
	Thermometer with Max-Min Hands and 310.7	
	571CMM	35.00
	574FM or 574CM	35.00
	575FM or 575CM	35.00
	577FM or 578FM	35.00
575FMSS or 575CMSS	(SS Models have stainless steel dials).....	38.00
580 F or C ...	I.R. Oven Thermometer	38.00
581 F or C ...	Max-Min Recording Thermometer (Includes 100 charts).....	92.00
	Accessories:	
	581.4F or 581.4C (pkg. of 100)	36.00
580 FM or CM ...	I.R. Oven Thermometer (Includes 310.7 Magnet & Leaf Spring).....	44.00
612.1 thru 612.7	Temp Plate® (pkg. of 10)	37.00
612.8 or 612.9	Temp Plate® (pkg. of 10) High Temperature Kapton.....	43.00

ANALOG THERMOMETERS, cont'd.

MODEL	DESCRIPTION	PRICE
616	Time-Trak Recording Thermometer Specify Time & Temperature Range	577.00
	(Includes 100 Charts) Charts All Ranges (pkg. of 100)	34.00
618	Time/Temp. Oven Recording Thermometer Specify Time & Temperature Range (includes 10 Smoke Charts).....	698.00
	Accessories:	
	Smoke Charts All Ranges (pkg. of 10)	49.00
620	Charts All Ranges (pkg. of 100)	35.00
674, 675, 676 F or C ...	Miniature Spot Check® Surface Temperature Thermometers	30.00
	Accessories:	
	675.99 ...Tweezers.....	12.00
815 F or C ...	Precision Wall Thermometer.....	88.00
	Accessories:	
	815.5 ...Desk Stand.....	30.00
815 FL or CL ...	Wall Thermometer with Lazy Hand.....	105.00
	Accessories:	
	815.5 ...Desk Stand.....	30.00
818, 819, 820 F or C	Precision 2" O.D. Immersion Thermometer	60.00
	With Lazy Hand	80.00
	Accessories:	
	818.5 ...Desk Stand.....	30.00
	818.84 S.S. ...Mounting Bracket.....	33.00

SURFACE THERMOMETER CERTS

Model	Description	Price
CERT	Quantity of 1 thru 5 instruments (see next)	*67.00
CERTTEMP2 ...	For each instrument above Qty. 5, Add	*7.50
CERTTEMP	(points are of calibrator's choice)	*97.00
CERTTEMPA	with 3 logged points (points are of calibrator's choice)	*125.00

PTC Metrology® is a A2LA accredited laboratory for temperature calibration. For NIST traceable A2LA accredited surface calibration/certification pricing for LIG, ASTM, Bimetal Stem, Digital, or Air-Immersion thermometers; PRT's and Thermocouples & Probes.

For selected temperature calibration points: www.ptc1.com/Metrology_surfacetemp.html



Call to Order:

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STAINLESS STEEL STEM THERMOMETERS

BACK CONNECTED

Lab Thermometer

Stem Length: 2-1/2", 4", & 6" 9" 12" 15" 18" 24" 30" 36"

Model 0.70 (1-11/16" O.D.) Plain Bushing	45.00	50.00	57.00	62.00	65.00	75.00	80.00	85.00
Model 0.71 (1-5/32" O.D.) Plain Bushing	44.00	48.00	57.00	62.00	64.00	72.00	79.00	84.00
Model 0.72 (2-3/8" O.D.) Plain Bushing	47.00	51.00	60.00	65.00	68.00	75.00	87.00	89.00

Lazy Hand Model 0.72: Add \$40.00 Dual Max-Min Hands Model 0.72: Add \$60.00 Pointed Stem on Model 0.70: Add \$10.00
Optional Mounting Threads 0.70, 0.71, & 0.72: 1/4" NPT: Add \$5.00 1/2" NPT: Add \$6.00

Industrial Thermometer - Angle Form

Stem Length: 2-1/2", 4", & 6" 9" 12" 15" 18" 24" 30" 36"

Model 0.73 (3" O.D.) 1/2" NPT, External Reset	60.00	66.00	72.00	75.00	79.00	89.00	97.00	105.00
Model 0.75 (5" O.D.) 1/2" NPT, External Reset	86.00	95.00	100.00	105.00	110.00	115.00	125.00	130.00

Lazy Hand Model 0.73: Add \$45.00 Dual Max-min Hands Model 0.73: Add \$50.00
Optional Mounting Threads 0.73 & 0.75: 1/4" NPT: Add \$12.00 3/4" NPT: Add \$23.00

Compost, Asphalt, Thermometers (3" O.D. Head, Pointed Stem, Plastic Cover, and Hex Bushing)

Stem Length 24" 36" 48" 60" 72"

Model 0.79 (3/8" Dia. Stem with 1/4" Dia. Tip)	140.00	165.00	225.00	298.00	359.00
Model 0.79 (5/16" Stem)	95.00	111.00	151.00	221.00	275.00
Model 0.79BC (Backyard Compost, 2" O.D. Head, 20" Stem Length)	30.00				

BOTTOM CONNECTED

Industrial Upright Thermometer - Straight Form

Stem Length: 2-1/2", 4", & 6" 9" 12" 15" 18" 24" 30" 36"

Model 0.74 (3" O.D.) 1/2" NPT, External Reset	100.00	110.00	120.00	135.00	155.00	165.00	185.00	220.00
Model 0.76 (5" O.D.) 1/2" NPT, External Reset	145.00	150.00	160.00	170.00	180.00	195.00	225.00	250.00

Optional Mounting Threads 0.74 & 0.76: 1/4" NPT: Add \$12.00 3/4" NPT: Add \$23.00

ADJUSTABLE ALL ANGLE

Industrial All Angle Thermometer

Stem Length: 2-1/2", 4", & 6" 9" 12" 15" 18" 24" 30" 36"

Model 0.77 (5" O.D.) 1/2" NPT, External Reset	145.00	155.00	165.00	175.00	185.00	200.00	225.00	250.00
Model 0.78 (3" O.D.) 1/2" NPT, External Reset	120.00	125.00	145.00	165.00	175.00	185.00	195.00	225.00

Optional Mounting Threads 0.77 & 0.78: 1/4" NPT: Add \$12.00 3/4" NPT: Add \$23.00

Note: There is an oversize box fee of \$25.00 for units with stem lengths over 36"

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