

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Visit our website - *Click HERE*

To Contact Your Local TA Instruments
Technical Representative Visit Our Website
At www.tainstruments.com

•New Castle, DE USA - Telephone: 1-302-427-4000

•Paris, France - Telephone: 33-1-30-48-94-60

•Brussels, Belgium - Telephone: 32-2-706-0080

•Leatherhead, England - Telephone: 44-1372-360363

•Etten-Leur, Netherlands - Telephone: 31-76-508-7270

•Alzenau, Germany - Telephone: 49-6023-96470

•Milano, Italy - Telephone: 39-02-27421-283

•Tokyo, Japan - Telephone: 81-3-5479-8418

•Barcelona, Spain - Telephone: 34-93-600-9300

•Melbourne, Australia - Telephone: 61-3-9553-0813

•Stockholm, Sweden - Telephone: 46-8-59-46-92-00

SP00010i

TA Instruments



Thermal Analysis and Rheology
Accessories, Parts & Supplies

Effective January 1, 2004

Worldwide Price List

Thermal Analyzers — Pages

Q Series™
DSC Accessories, Consumables, & Replacement Parts 2-4
TGA / SDT Accessories, Consumables, & Replacement Parts 5-6
TMA Accessories, Consumables, & Replacement Parts 6-8
DMA Q 800 Accessories, Consumables, & Replacement Parts 8-9

DMA RSA III Accessories, Consumables, & Replacement Parts 8

29XX Series
DSC / DTA Accessories, Consumables, & Replacement Parts. 10-12
TGA / SDT Accessories, Consumables, & Replacement Parts. 13-15
TMA Accessories, Consumables, & Replacement Parts 15-16
DMA Accessories, Consumables, & Replacement Parts 16-17
DEA Accessories, Consumables, & Replacement Parts. 17-18
Micro TA Accessories, Consumables, & Replacement Parts 18

General Computer Accessories & Software 19

Rheometrics Series Rheometers

ARES Rheometers
Temperarure Control and System Options 20
Upgrade Packages. 20
Standard and Invar Plates, Standard Cones 20-21
Disposable Plates / Cones 21-22
Peltier Plates / Cones 22
Fluid Bath Plates / Cones 22-23
Concentric Cylinders. 23-24
Torsion Rectangular / Cylindrical Tools 24
Special Fixtures 24-25
ARES Test Packages. 25-26
ARES Accessories 26

AR Rheometers
Fluid Circulators, Air Supply Accessories 27
AR 2000 Temp Control Accessories 27-28
AR 2000 Concentric Cylinder Systems 28-29
AR 1000 / 550 Temp Control Accessories 29
AR 1000 / 550 Conc Cylinder Accessories and Replacement Parts. 30-31
AR Series High Temp Geometries. 31-32
General SST Geometries 32-34
Composite, Titanium, Acrylic Geometries 34-35
Hard Anodized, Quartz Geometries 35

CSA II Items 36

Miscellaneous Items
Standard Oils, Rheology Texts, Printers. 36

Thermal Analyzers

Q Series DSC Accessories

		Price $US/€
970800.901	Pressure DSC Cell (For use with the Q1000 and Q10P. Provides heat flow measurements at pressures from 1 Pa to 7 MPa)	15,800
970814.901	Q Series PDSC Cell Shipping Accessory Kit (For use with PDSC Cell and Q1000 DSC)	1,050
900674.901	DSC Quench Cooling Accessory (For cooling of PDSC to -150°C using liquid Nitrogen)	1,120
900680.902	Sample Encapsulation Press (For crimp and hermetic pan sealing)	2,450
935000.901	Photocalorimeter Accessory (PCA) (For Q1000 / Q100 DSC. Provides photocuring studies between -50 & 80 °C.)	30,600
915064.901	MDSC® Thermal Conductivity Kit	915

Q Series DSC Cooling Accessories

970037.901	Finned Air Cooling System (FACS) (For programmed air cooling of Q Series DSC Cell from 725 °C to ambient temperature)	1,630
970036.901	Quench Cooling Accessory for FACS (Assists FACS in rapid cooling of Q Series DSC Cell to ambient temperature)	1,120
970008.901	Refrigerated Cooling System (RCS) - 115 V / 60 Hz (For programmed or quench cooling of the Q Series DSC cell over the temperature range 600 to -90°C. Sealed refrigeration system does not require liquid nitrogen).	9,180
970008.902	Refrigerated Cooling System (RCS) - 230 V / 50 Hz	9,180
200266.001	RCS Dryer (For removal of trace moisture in purge gases)	275
200245.001	Pressure Regulator For use with RCS Dryer or LNCS purge gas purifier unit (4000 psi input; 40 psi output; CGA)	400
970400.901	Liquid Nitrogen Cooling System (LNCS) (For programmed or quench cooling of the Q1000 and Q100 DSC cells from 550 to -180°C. Can be automatically refilled from an external LN2 source.	11,200
970425.901	LNCS DSC Purge Gas Purifier Unit (For removal of trace moisture in purge gases. Includes gas dryer unit and appropriate shut-off and by-pass valving)	2,900
970347.901	Quench Cooling Accessory (QCA) (For rapid manual cooling of Q Series DSC Cell to subambient temperatures) If used with the Q1000 / Q100 the following parts must be added:	1,530
970282.001	Inner Manual Lid	125
970283.001	Outer Manual Lid	160
970284.901	Manual Cell Cover	135

Q Series Replacement DSC Cells

(Replacement Q Series DSC cells do not include silver lids or accessory kits)

970020.901	Q1000 Cell	6,430
970520.901	Q100, Q10 Cell (Requires installation by TA Service Engineer)	5,920

Q Series DSC Field Upgrades

970003.901	Mass Flow Controller Upgrade Kit for Q100 / Q10 (Includes Field Service Installation)	4,280
970004.901	MDSC® Upgrade Kit for Q100 (Includes Field Service Installation)	10,700
971000.901	Autosampler Upgrade Kit for Q100 (Includes Field Service Installation)	23,500

Q Series DSC Modules – Replacement Parts

970011.901	Accessory Kit, DSC Q1000 / Q100	220
970011.902	Accessory Kit, DSC Q10	490
271580.001	Tweezers, Curved	30
970282.001	Inner Lid, Manual / Auto	125
970283.001	Lid, Upper, Manual	160
970284.901	Assembly, Manual Cover, DSC Cell	135
970291.001	Inner Lid, Tube Assembly	205
970194.001	Lid, Upper, Auto	95
910824.001	Cell Cleaning Brush	30
970045.901	Screw, Cell Hold down, DSC	35
271244.001	Autolid Bias Spring	2
970295.001	Spring Clamp, Autolid	7
970132.001	Gasket, Cooling Assembly	8

DSC Sample Pans and Lids

900578.901	Platinum pans (package of 10)	1,140
900786.901	Aluminum pans (package of 200)	125
900779.901	Aluminum lids (package of 200)	125
900793.901	Aluminum pans, hermetic (package of 200)	190
900794.901	Aluminum lids, hermetic (package of 200)	190
900808.901	High pressure pan kit (includes metal bell jar & lid, crimping tool, 5 reusable SST capsules & 20 seals)	2,660
900814.901	High pressure capsule seals (package of 20)	215
900815.901	High pressure capsules (package of 5)	920

900825.901	High volume pan kit (includes metal bell jar & lid, die set, and 100 pans, lids & seals)	3,360
900824.901	High volume die set	1,130
900825.902	High volume pans, lids & seals (package of 100)	990
900860.901	Hermetic lids with pin hole (package of 20)	130
900796.901	Coated aluminum pans, hermetic (package of 200)	190
900790.901	Coated aluminum lids, hermetic (package of 200)	190
900870.901	Aluminum pans for SFI samples (package of 200)	125
900866.901	Gold pans (package of 10)	745
900868.901	Gold lids (package of 10)	745
900871.901	Gold pans, hermetic (package of 10)	1,040
900872.901	Gold lids, hermetic (package of 10)	745
900867.901	Copper pans (package of 200)	125
900869.901	Copper lids (package of 200)	125
900874.901	Graphite pans (package of 10)	320
900873.901	Graphite lids (package of 10)	320

DSC Sample Press Replacement Parts

900530.901	Upper crimping die set assembly	535
900752.901	Lower crimping die assembly	460
900719.001	Preforming tool. For sealing hermetic pans (Blue Press)	100
900720.000	Die, hermetic sealing	140

DSC Calibration Materials

970345.901	Kit, Tzero Calibration, Sapphire	150
970370.901	Sapphire, MDSC Calibration	280
915060.901	DSC / DTA temperature calibration kit	1,420
915061.901	Replacement certified Indium reference material (for p/n 915060.901 kit)	580
900910.901	Tin calibration material	65
900902.901	Indium calibration material	65
900907.901	Zinc calibration material	65
915079.901	Sapphire specific heat material (0.160" OD x 0.020" thick, for standard pans)	150
915079.902	Sapphire specific heat material (0.135" OD x 0.020" thick, for hermetic pans)	150
915079.903	Sapphire specific heat material (0.187" OD x 0.034" thick, for standard pans)	150
899096.901	Anisic Acid (1g)	580
899097.901	Biphenyl (1g)	580
900319.901	Kit, DSC Oxidative Stability Calibration	1,580

Q Series Photocalorimeter Accessories & Spare Parts

935006.002	Filter, Internal, 250-450 nm	990
935012.001	Light Guide, Dual, 250-600 nm	4,630
935013.001	Air Filter Kit, Pkg of 10	75
935018.901	Filter, Longpass, 390 nm (Pkg of 2)	255
935019.901	Filter, Longpass, 490 nm (Pkg of 2)	255
935015.901	Filter, Neutral Density, 1 %	220
935016.901	Filter, Neutral Density, 10 %	220
935021.001	Lamp, 100 W, Mercury	1,160

Q500 / Q50 TGA Accessories & Field Upgrades

953350.901	Upgrade Kit, TGA High Resolution™ (Upgrades Q500 for High Resolution operation. Includes field installation)	5,250
953450.901	Upgrade Kit, Modulated TGA ™ (Upgrades Q500 for Modulated TGA operation. Includes field installation)	4,200
953150.901	Upgrade Kit, Q500 Autosampler (Upgrades Q500 for autosampler operation. Includes field installation)	10,700
953046.901	Evolved Gas Furnace (EGA) (Recommended for evolved gas analysis with MS or FTIR.)	3,260

Q500 / Q50 Sample Pans

952018.906	Platinum sample pans, 100 µL (package of 3)	595
952018.907	Ceramic sample pans, 100 µL (package of 3)	490
952018.908	Platinum sample pans, 50 µL (package of 3)	510
952018.909	Ceramic sample pans, 250 µL (package of 3)	545
952018.910	Ceramic sample pans, 500 µL (package of 3)	595
952323.902	Aluminum sample pans, 100 µL (package of 3)	135

Q500 / Q50 Replacement Parts

259508.000	Brass tweezers	55
952040.901	Sample hang-down wire	65
952040.902	Tare hang-down wire	65
952110.001	Tube, Hangdown Wire	55
952256.901	Kapton® hangdown loop (strip of 10)	85
953208.901	Sample thermocouple	345
952240.901	Auto Q500 multiple sample tray kit	965
952357.901	Furnace tube (quartz) / Seals kit / Instructions for EGA furnace	715

953032.901	Q500, Q50 furnace	4,730
953032.980	Q500, Q50 Damaged Furnace Exchange Credit	1,000
953160.901	Heat Exchanger, TGA Q500 / Q50	2,340
952377.901	Conditioning Kit, TGA Q500 / Q50 Heat Exchanger	20

Q500 / Q50 Calibration and Test Materials

952384.901	TGA / SDT temperature calibration kit	1,580
952385.901	Replacement certified nickel reference material (for kit p/n 952384.901)	580
952398.901	Replacement certified alumel reference material (for kit p/n 952384.901)	580
952011.906	Set of class M weights (100 mg, 1 g)	920
900905.901	Calcium oxalate	50

SDT Q600 Sample Pans

960070.901	Alumina sample cups; 90 µL (package of 3)	120
960072.901	Alumina sample cups;40 µL (package of 3)	120
960148.901	Platinum sample cups; 40 µL (package of 3)	190
960149.901	Platinum sample cups; 110 µL (package of 3)	255
960239.901	Alumina lids; package of 3 (for use with p/n 960070.901)	65

SDT Q600 Replacement Parts

960017.901	Dual Beam Thermocouple Kit, SDT Q600	1,050
259508.000	Brass tweezers	55
270226.022	O-ring, furnace tube	105
960014.901	Calibration weights set	175
960059.001	Contact thermocouple wire	130
961020.901	Q600 SDT Furnace	5,480
961020.980	Q600 SDT Furnace Exchange Credit	1,300
961024.001	Q600 SDT Service Manual	110

SDT Q600 Calibration and Test Materials

952384.901	TGA / SDT temperature calibration kit	1,580
952385.901	Replacement certified nickel reference material (for kit p/n 952384.901)	580
952398.901	Replacement certified alumel reference material (for kit p/n 952384.901)	580
960034.901	Aluminum oxide reference material (calcined alpha)	55
960234.901	Zinc Calibration Material	45
900905.901	Calcium oxalate	50

TMA Q400 / 400EM Accessories and Upgrade Kits

944300.901	Mechanical Cooling Accessory (115 V operation) (For programmed or quench cooling of the Q400/Q400EM/2940 over temperature range 400 to -60°C. Sealed refrigeration system does not require liquid nitrogen).	8,160
944300.902	Mechanical Cooling Accessory (230 V operation)	8,160
945050.901	TMA Film/Fiber Accessory Kit (Consisting of film / fiber sample stage, film / fiber probe assembly, vial of cleaved aluminum balls, film clamp assemblies, film clamp fixture, jeweler's screwdriver, and film clamp screws)	2,840
944202.901	Dilatometer Accessory Kit (Consisting of dilatometer probe assembly, three dilatometer sample vials, two vials of filling medium, and a vial of aluminum calibration standard)	2,310
944203.901	Flexure Accessory Kit (for Q400 use) (Consisting of flexure probe assembly and flexure sample platform)	1,580
944204.901	Parallel Plate Rheometer Accessory Kit (Consisting of rheometer sample-forming die set, three rheometer alignment cages, and six rheometer parallel plates)	2,730
270134.001	Flow Meter For purge gas regulation (14.8 to 148 mL / min) of TMA Q400 / 400EM without mass flow control.	420
945550.901	Upgrade Kit Mass Flow Control Q400 / Q400EM	3,060
945250.901	Upgrade Kit Q400 to Q400EM (includes Flexure Accessory Kit)	7,140

TMA Q400 / 400EM Replacement Parts

944120.901	Sample stage	595
944122.901	Expansion probe assembly	1,380
944123.901	Macro-expansion probe assembly	1,380
944124.901	Dilatometer probe assembly	1,380
941143.000	Dilatometer sample vial	190
944125.901	Hemispherical probe assembly	1,380
944126.901	Penetration probe assembly	1,380
944127.901	Flexure probe assembly	1,200
945045.901	3-Point bend calibration jig	125
941054.000	Platform Flexure	225
944121.901	Film / Fiber sample holder	1,170
945051.901	Film / Fiber probe assembly	1,470
945052.901	Film / Fiber Upper Clamp	210
945053.901	Film / Fiber Lower Clamp	210
945054.001	Film clamp fixture	265

944330.901	Film clamp screws #0-80 (package of 10)	7
941038.901	Vial of cleaved aluminum balls	105
944341.901	Protective quartz for sample stage (pkg of 20)	310
944344.902	Thermocouple, TMA kit	185

TMA Q400 / 400EM Calibration Materials

915061.901	Replacement certified Indium reference material	580
944206.901	TMA certified temperature and dimension calibration kit	1,500
944217.901	Replacement certified aluminum reference material	585

RSA III DMA Accessories

700.03382.4	FCO Mechanical Chiller	19,900
700.02013	FCO Mechanical Chiller Power Option (required for 190-220 V, 50 Hz)	735
700.03382.6	FCO Liquid Nitrogen Controller Option	14,800
700.02657.2	Air Dryer	2,340
700.02903.3	Dielectric Thermal Analysis Option	32,000

RSA III DMA Clamp Fixtures

708.01456	Three Point Bending Fixture	2,090
708.01446	Cantilever Bending Fixture	2,090
708.01455	Film / Fiber Fixture	2,090
708.01464	Parallel Plate Fixture	2,090
708.01466.1	8 mm Plates for Parallel Plate Fixture	330
708.01466.2	15 mm Plates for Parallel Plate Fixture	330
708.01466.3	25 mm Plates for Parallel Plate Fixture	330
708.01461	Shear Sandwich Fixture	2,540
708.01467	UV Curing Shear Sandwich Fixture	10,500
708.01465	Contact Lens Fixture	2,380
708.01457	Adaptors for RSA2 clamp fixtures - not for use with RSA2 tension fixture	770

Q800 DMA Accessories

991400.902	Gas Cooling Accessory - auto tank fill (CE compliant)	9,690
984350.901	Air Compressor	2,210
984486.901	Film Cutting Kit	685

Q800 DMA Clamp Kits

984048.901	4/8 mm Single / Dual Cantilever Clamp Kit	2,730
984047.901	10/20 mm Single / Dual Cantilever Clamp Kit	2,730
984015.901	17.5/35 mm Single / Dual Cantilever Clamp Kit (supplied with DMA Q800)	2,730
984026.901	Three-point Bending Clamp Kit (5, 10, and 15 mm lengths)	2,730
984014.901	Three-point Bending Clamp Kit (20 and 50 mm lengths)	2,730
984018.901	Parallel Plate Compression Clamp Kit (includes 15 and 40 mm plates)	3,990
984022.901	Penetration Clamp Kit	2,730
984016.901	Film / Fiber Tension Clamp Kit	2,730
984023.901	Specialty Fiber Tension Clamp Kit	2,730
984017.901	Shear Sandwich Clamp Kit	2,730
985067.901	Submersion Compression Clamp Kit	5,880
985068.901	Submersion Film / Fiber Tension Clamp Kit	7,670
985069.901	Three Point Bend Clamp Kit (50 mm, Low Friction)	2,730
985070.901	Three Point Bend Clamp Kit (20 mm, Low Friction)	2,730

Q800 DMA Replacement Parts

984003.901	Replacement Furnace	3,890
259508.000	Brass tweezers	55
270962.001	Telescoping gage (for 10 mm single cantilever clamps)	85
270962.002	Telescoping gage (for 17 mm single cantilever clamps)	85
985199.901	Control thermocouple (90 mm length)	170
985199.902	Sample thermocouple (130 mm length)	170
984370.901	Furnace inlet ferrule / spring kit	35
270976.002	Filter / Regulator with Auto Drain	735
270975.001	Filter Replacement, Auto Drain Regulator	50

Q800 DMA Calibration and Test Materials

900902.901	Indium temperature calibration sample	65
900907.901	Zinc temperature calibration sample	65
984310.901	Indium wire, film / fiber temperature calibration (pkg of 10 pieces, 38 mm long)	120
980228.902	Glass support cloth (0.2 mm thick, 33 m length)	335
982161.902	ABS sample (3.18 mm thick, 61 mm long, pkg of 5)	45
982161.903	ABS sample (3.18 mm thick, 36 mm long, pkg of 5)	45
982165.903	Polycarbonate sample (1.6 mm thick, 36 mm long, pkg of 5)	45

982165.904	Polycarbonate sample (0.79 mm thick, 36 mm long, pkg of 5)	45
984309.901	Polyethylene terephthalate (PET) film (pkg of 10 pieces, 38 mm long)	45
984313.901	PET fiber (910 mm long)	45

29XX DSC Accessories and Replacement Parts

Replacement 2920 DSC Cells

(Accessory kits and instruction manuals not supplied)

915201.901	Replacement Standard DSC Cell - 2920	4,710
815201.901	Replacement Standard DSC Cell - 2920 - CE Compliant	4,710
915201.920	Replacement Standard DSC-RCS Cell - 2920	4,710
815201.920	Replacement Standard DSC-RCS Cell - 2920 - CE Compliant	4,710
915401.901	Replacement Dual Sample DSC Cell - 2920	6,320
815401.901	Replacement Dual Sample DSC Cell - 2920 - CE Compliant	6,320
915401.920	Replacement Dual Sample DSC-RCS Cell - 2920	6,320
815401.920	Replacement Dual Sample DSC-RCS Cell - 2920 - CE Compliant	6,320

Replacement 2910 DSC Cells

(Accessory kits and instruction manuals not supplied)

900610.905	Replacement Standard DSC Cell - 2910	4,500
900610.920	Replacement Standard DSC-RCS Cell - 2910	4,500

Replacement DSC 2010 Cell

911306.901	Replacement DSC Cell - 2010 (Requires installation by TA Service Engineer)	4,640

DSC 2920 and DSC 2910 Accessories and Upgrades

900674.901	DSC Quench Cooling Accessory (For programmed cooling operation to -120 °C, and quench cooling to -180 °C. using liquid nitrogen. Includes bell jar, O-ring, and thermal resistor disc)	1,120
900680.902	Sample Encapsulation Press (For crimp and hermetic pan sealing)	2,450
270134.001	Flow Meter For purge gas regulation (14.8 - 148 mL / min. air). Stainless steel float, R-2-15-AAA tube, valve location at inlet, In / Out connections at back, brass fittings for 1/4 inch (6.35 mm) I.D. hose, tripod base with level. Also includes 25 feet (7.64 m) of 1/4 inch (6.35 mm) tygon tubing.	420
270134.002	Dual Flow Meter For purge gas regulation (14.8 - 148 mL / min. air). Stainless steel floats, two R-2-15-AAA tubes, valve location at inlet, In / Out connections at back, brass fittings for 1/4 inch (6.35 mm) I.D. hose, tripod base with level. Also includes 25 feet (7.64 m) of 1/4 inch (6.35 mm) tygon tubing.	630
992300.901	Gas Switching Accessory (Automatically switches between two purge gases with manual override.	3,150
911219.902	Modulated DSC® Upgrade Kit DSC 2920	12,000

DSC Sample Pans and Lids

900578.901	Platinum pans (package of 10)	1,140
900786.901	Aluminum pans (package of 200)	125
900779.901	Aluminum lids (package of 200)	125
900793.901	Aluminum pans, hermetic (package of 200)	190
900794.901	Aluminum lids, hermetic (package of 200)	190
900808.901	High pressure pan kit (includes metal bell jar & lid, crimping tool, 5 reusable SST capsules & 20 seals)	2,660
900814.901	High pressure capsule seals (package of 20)	215
900815.901	High pressure capsules (package of 5)	920
900825.901	High volume pan kit (includes metal bell jar & lid, die set, and 100 pans, lids & seals)	3360
900824.901	High volume die set	1130
900825.902	High volume pans, lids & seals (package of 100)	990
900860.901	Hermetic lids with pin hole (package of 20)	130
900796.901	Coated aluminum pans, hermetic (package of 200)	190
900790.901	Coated aluminum lids, hermetic (package of 200)	190
900870.901	Aluminum pans for SFI samples (package of 200)	125
900866.901	Gold pans (package of 10)	745
900868.901	Gold lids (package of 10)	745
900871.901	Gold pans, hermetic (package of 10)	1040
900872.901	Gold lids, hermetic (package of 10)	745
900867.901	Copper pans (package of 200)	125
900869.901	Copper lids (package of 200)	125
900874.901	Graphite pans (package of 10)	320
900873.901	Graphite lids (package of 10)	320

DSC Replacement Parts

900155.000	Bell jar for DSC Cells	185
900681.002	Bell jar for DSC Cooling Accessory	275
900529.901	Sample encapsulation press upgrade kit	855
258825.000	Spring for lower crimping die	4
900720.000	Die, hermetic sealing	140
900719.000	Preforming tool. For hermetic pans (Beige Press)	95
910824.001	DSC Cell fiberglass cleaning brush	30
900635.000	Silver lid (standard cell)	215
991123.001	Silver lid (RCS cell)	255
900969.001	Silver lid (pressure DSC cell)	250

DSC Calibration Materials

915060.901	DSC / DTA temperature calibration kit	1,420
915061.901	Replacement certified Indium reference material (for p/n 915060.901 kit)	580
900910.901	Tin calibration material	65
900902.901	Indium calibration material	65
900907.901	Zinc calibration material	65
915079.901	Sapphire specific heat standard (0.160" OD x 0.020" thick, for standard pans)	150
915079.902	Sapphire specific heat standard (0.135" OD x 0.020" thick, for hermetic pans)	150
915079.903	Sapphire specific heat standard (0.187" OD x 0.034" thick, for standard pans)	150
899096.901	Anisic Acid (1g)	580
899097.901	Biphenyl (1g)	580
900319.901	Kit, DSC Oxidative Stability Calibration	1,580
915064.901	MDSC® Thermal Conductivity Kit	915

Auto DSC 29X0 Replacement Parts

990687.001	Auto Sampler silver lid (standard cell)	255
991123.003	Auto Sampler silver lid (RCS cell)	245
990688.901	Sample tray, lid	165
990717.901	Gripper Assembly	425
990732.901	Sample tray, multiposition	835

DPC 931 / 930 Replacement Part

930001.001	Lamp, DPC, 200 W Hg.	725

High Temperature DTA Replacement Parts

900410.901	Pt-Pt/13% Rh thermocouple assembly (matched pair - for 2910 DTA Cell	550
917010.901	Pt-Pt/13% Rh thermocouple assembly (matched pair - for 2920 DTA Cell	525
900936.001	Alumina furnace tube (For 1600 C DTA Cell)	390
900710.901	Platinum micro sample cups (package of 4)	1,120
900713.901	Platinum macro sample cups (package of 4)	1,160
900711.901	Platinum macro sample cap liners (package of 10)	650
900712.901	Alumina macro sample cup liners (package of 6)	415
900906.901	Aluminum oxide reference material	55

TGA 2950 / 2050 Accessories & Field Upgrades

952431.901	Evolved Gas Furnace (EGA) for TGA 2950 / 2050 Recommended for evolved gas analysis with MS or FTIR	3,260
852352.901	Evolved Gas Furnace (EGA) for TGA 2950 / 2050 - CE Compliant Recommended for evolved gas analysis with MS or FTIR	3,260
270134.901	Flow Meter For purge gas regulation (14.8 - 148 mL / min. air). See page 9 for full description	420
270134.002	Dual Flow Meter For purge gas regulation (14.8 - 148 mL / min. air). See page 9 for full description.	630
992300.901	Gas Switching Accessory - CE Compliant Automatically switches between two purge gases with manual override provided. Compatible with the TGA 2050, TGA 2950, and SDT 2960.	3,150
952259.901	Upgrade Kit, Auto TGA Upgrades TGA 2950 for autosampler operation. Includes field installation	10,700
952251.901	Upgrade Kit, TGA High Resolution™ Upgrades TGA 2950 for High Resolution operation. Includes field installation	5,250
952280.901	Upgrade Kit, Modulated TGA ™ Upgrades TGA 2950 for Modulated TGA operation. Includes field installation	4,200

TGA 2950 / 2050 Sample Pans

952018.906	Platinum sample pans, 100 µL (package of 3)	595
952018.907	Ceramic sample pans, 100 µL (package of 3)	490
952018.908	Platinum sample pans, 50 µL (package of 3)	510
952018.909	Ceramic sample pans, 250 µL (package of 3)	545
952018.910	Ceramic sample pans, 500 µL (package of 3)	595
952323.902	Aluminum sample pans, 100 µL (package of 12)	135

TGA 2950 / 2050 Replacement Parts

259508.000	Brass tweezers	55
952004.001	Service manual TGA 2950	435
952011.906	Set of class M weights (100 mg, 1 g)	920
952013.982	Rebuilt TGA 2950 furnace	4,730
952013.980	Damaged Furnace Exchange Credit	1,130
952040.901	Sample hang-down wire	65
952040.902	Tare hang-down wire	65
952068.901	Sample thermocouple	160
952121.001	Work surface tray	100

952011.901	Accessory Kit, TGA 2950	2,630
952110.001	Tube, Hangdown Wire	55
952160.901	Heat Exchanger, TGA 2950	2,340
952240.901	Auto TGA 2950 multiple sample tray kit	965
952256.901	Kapton® hangdown loop (strip of 10)	85
952357.901	Furnace tube (quartz) / Seals kit / Instructions for EGA furnace	715
952377.901	Conditioning Kit, TGA 2950 / 2050 Heat Exchanger	20

TGA 2950 / 2050 Calibration, Reference and Test Materials

952384.901	TGA / SDT temperature calibration kit	1,580
952385.901	Replacement certified nickel reference material (for kit p/n 952384.901)	580
952398.901	Replacement certified alumel reference material (for kit p/n 952384.901)	580
900905.901	Calcium oxalate	50

SDT 2960 Accessories

270134.001	Flow Meter For purge gas regulation (14.8 - 148 mL / min. air). Stainless steel float, R-2-15-AAA tube, valve location at inlet, In / Out connections at back, brass fittings for 1/4 inch (6.35 mm) I.D. hose, tripod base with level. Also includes 25 feet (7.64 m) of 1/4 inch (6.35 mm) tygon tubing.	420
270134.002	Dual Flow Meter For purge gas regulation (14.8 - 148 mL / min. air). Stainless steel floats, two R-2-15-AAA tubes, valve location at inlet, In / Out connections at back, brass fittings for 1/4 inch (6.35 mm) I.D. hose, tripod base with level. Also includes 25 feet (7.64 m) of 1/4 inch (6.35 mm) tygon tubing.	630
992300.901	Gas Switching Accessory - CE Compliant (Automatically switches between two purge gases with manual override.	3,150

SDT 2960 Sample Pans

960070.901	Alumina sample cups; 90 µL (package of 3)	120
960072.901	Alumina sample cups;40 µL (package of 3)	120
960148.901	Platinum sample cups; 40 µL (package of 3)	190
960149.901	Platinum sample cups; 110 µL (package of 3)	255
960239.901	Alumina lids; package of 3 (for use with p/n 960070.901)	65

SDT 2960 Replacement Parts

259508.000	Brass tweezers	55
270226.022	O-ring, furnace tube	105
960017.901	Dual Beam Thermocouple Kit, SDT 2960	1,050
960059.001	Contact thermocouple wire	130
960007.001	Service manual, SDT 2960	435

SDT 2960 Calibration, Reference and Test Materials

952384.901	TGA / SDT temperature calibration kit	1,580
952385.901	Replacement certified nickel reference material (for kit p/n 952384.901)	580
952398.901	Replacement certified alumel reference material (for kit p/n 952384.901)	580
960034.901	Aluminum oxide reference material (calcined alpha)	55
900905.901	Calcium oxalate	50
960234.901	Zinc Standard Material	45
960014.901	Calibration weights set	175

TMA 2940 Accessories

944300.901	Mechanical Cooling Accessory (115 V operation) For programmed or quench cooling of the TMA 2940 over temperature range 400 to -60 °C. Sealed refrigeration system does not require liquid nitrogen.	8,160
944300.902	Mechanical Cooling Accessory (230 V operation)	8,160
945050.901	Film/Fiber Accessory Kit (consisting of film / fiber sample stage, film / fiber probe assembly, vial of cleaved aluminum balls, film clamp assemblies, film clamp fixture, jeweler's screwdriver (2 mm), and ten film clamp screws (#0-80))	2,840
944202.901	Dilatometer Accessory Kit (consisting of dilatometer probe assembly, three dilatometer sample viles, two vials of filling medium, and a vial of aluminum calibration standard)	2,310
944203.901	Flexure Accessory Kit (consisting of flexure probe assembly and flexure sample platform)	1,580
944204.901	Parallel Plate Rheometer Accessory Kit (consisting of rheometer sample-forming die set, three rheometer alignment cages, and six rheometer parallel plates)	2,730
270134.001	Flow Meter For purge gas regulation (14.8 - 148 mL / min. air).	420

TMA 2940 Replacement Parts

944120.901	Sample stage	595
944122.901	Expansion probe assembly	1,380
944123.901	Macro-expansion probe assembly	1,380
944124.901	Dilatometer probe assembly	1,380
941143.000	Dilatometer sample vile	190
944125.901	Hemispherical probe assembly	1,380
944126.901	Penetration probe assembly	1,380
944127.901	Flexure probe assembly	1,200
944121.901	Film / Fiber sample holder	1,170

945050.902	Film / Fiber Upgrade Kit - Includes Q400 probe, clamps and clamping fixture	2,100
945052.901	Film / Fiber Upper Clamp	210
945053.901	Film / Fiber Lower Clamp	210
944330.901	Film clamp screws #0-80 (package of 10)	7
945054.001	Film clamp fixture	265
941038.901	Vial of cleaved aluminum balls	105
944341.901	Protective quartz for sample stage	310
944344.902	Thermocouple, TMA kit	185

TMA 2940 Calibration and Reference Materials

915061.901	Replacement certified Indium reference material	580
944206.901	TMA certified temperature and dimension calibration kit	1,500
944217.901	Replacement certified aluminum reference material	585

DMA 2980 Accessories

991400.902	Gas Cooling Accessory - auto tank fill (CE compliant)	9,690
984350.901	Air compressor accessory	2,210
270134.003	Flow Meter (For purge gas regulation (0.16-1.7 L / min air)	420

DMA 2980 Clamp Kits

984048.901	4/8 mm Single / Dual Cantilever Clamp Kit	2,730
984047.901	10/20 mm Single / Dual Cantilever Clamp Kit	2,730
984015.901	17.5/35 mm Single / Dual Cantilever Clamp Kit (supplied with DMA 2980)	2,730
984026.901	Three-point Bending Clamp Kit (5, 10, and 15 mm lengths)	2,730
984014.901	Three-point Bending Clamp Kit (20 and 50 mm lengths)	2,730
984018.901	Parallel Plate Compression Clamp Kit (includes 15 and 40 mm plates)	3,990
984022.901	Penetration Clamp Kit	2,730
984016.901	Film / Fiber Tension Clamp Kit	2,730
984023.901	Specialty Fiber Tension Clamp Kit	2,730
984017.901	Shear Sandwich Clamp Kit	2,730
984448.901	Submersion Compression Clamp Kit	1,580
984449.901	Submersion Film / Fiber Tension Clamp Kit	3,680
984486.901	Film Cutting Kit	685
985069.901	Three Point Bend Clamp Kit (50 mm, Low Friction)	2,730
985070.901	Three Point Bend Clamp Kit (20 mm, Low Friction)	2,730

DMA 2980 Replacement Parts

259508.000	Brass tweezers	55
270962.001	Telescoping gage (for 10 mm single cantilever clamps)	85
270962.002	Telescoping gage (for 17 mm single cantilever clamps)	85
984370.901	Furnace inlet ferrule / spring kit	35
984074.001	Compression Disc (40 mm)	235
984075.001	Compression Disc (15 mm)	35
984278.001	Service manual, DMA 2980	285
270976.001	Filter / Regulator with Auto Drain	735
270975.001	Filter Replacement, Auto Drain Regulator	50
980228.902	Glass support cloth (0.2 mm thick, 33 m length)	335
984287.901	Control thermocouple (89 mm length)	170
984286.901	Sample thermocouple (130 mm length)	170

DMA 2980 Calibration and Test Materials

900902.901	Indium temperature calibration sample	65
900907.901	Zinc temperature calibration sample	65
984310.901	Indium wire, film / fiber temperature calibration (pkg of 10 pieces, 38 mm long)	120
982161.902	ABS sample (3.18 mm thick, 61 mm long, pkg of 5)	45
982161.903	ABS sample (3.18 mm thick, 36 mm long, pkg of 5)	45
982165.903	Polycarbonate sample (1.6 mm thick, 36 mm long, pkg of 5)	45
982165.904	Polycarbonate sample (0.79 mm thick, 36 mm long, pkg of 5)	45
984309.901	Polyethylene terephthalate (PET) film (pkg of 10 pieces, 38 mm long)	45
984313.901	PET fiber (910 mm long)	45

DEA 2970 Accessories and Replacement Parts

270134.003	Flow Meter For purge gas regulation (0.16-1.7 L / min. air). SS float, valve location at inlet, In / Out connections at back, brass fittings for 1/4 inch (6.35 mm) Id. hose, tripod base with level. Includes 25 feet (6.7 m) of 1/4 inch (6.35 mm) tygon tubing).	420
901315.901	Parallel Plate Ram Kit (range -150 to 500 °C) Accessory kit contains a parallel plate assembly, 10 bottom parallel plate sensors, 10 top parallel plate sensors, 20 sets of drip pans, 30 spring probes, reference samples and tweezers.	3,680
901316.901	Single Surface Ram Kit (range -150 to 500 °C) Accessory kit contains a single surface ram assembly, 10 single surface sensors, 20 sets of drip pans, 60 pointed spring probes, reference samples and tweezers.	3,680
901317.901	Remote Sensor Accessory Kit (range -75 to 250 °C) Accessory kit contains 10 remote sensors, interface box, cable, and reference samples.	3,680

901402.901	Sputter Coated (thin film) Accessory Kit (range -150 to 500 °C) Accessory kit contains 10 bottom parallel plates, 10 top parallel thin film sensors, sputter coated mask, 20 sets of drip pans, PET reference samples, and tweezers.	1,580
901101.901	Dryer Assembly (for drying purge gas)	1,470
901318.901	Press Assembly (for making drip pans)	1,710
901381.901	Remote sensor kit (package of 10)	610
901382.901	Parallel plate sensors (package of 10)	490
901383.901	Single surface sensors (package of 10)	490
901385.901	Spring probe kit (package of 30)	280
901388.901	Foil rounds for DEA drip pans (package of 20)	115
901392.901	Foil rounds w / holes for DEA drip pans (package of 20)	115
901403.901	Sputter coated (thin film) sensors (package of 10 sets)	490
901507.901	Single surface drip cover (package of 30)	480

µ–TA 2990 Accessories and Replacement Parts

899004.901	Replacement Monitor (b/w, 110 / 120 V)	850
899004.902	Replacement Monitor (b/w, 230 / 240 V)	850
899048.901	Oscilloscope for Pulsed Force Mode	2,600
899049.901	Silicon Probes (6-20 kHz) for Contact Mode (pkg of 8)	765
899005.901	Scanner, dry	2,580
899006.901	Thermal probe (package of 5)	1,280
899056.901	Thermal probe	380
899007.901	AFM probes - 200 µm (package of 10)	640
899008.901	Sample mounting stubbs (package of 20)	285
899055.901	Thermal reference probe	120
899096.901	Anisic Acid (1g)	580
899097.901	Biphenyl (1g)	580
899098.901	PET Certified calibration material	605
899011.901	Vertical Mounting Clamp	1,630

General Computer Accessories and Software

924500.602	12-Port Ethernet HUB	120
926100.901	Thermal Advantage Library Software	4,000
925003.901	HP Color Inkjet Printer - 115 V / 60 Hz	520
925003.902	HP Color Inkjet Printer - 230 V / 50 Hz	520

General Information

Minimum order requirements: $100. All prices f.o.b. shipping point. Prices and specifications are those in effect at the time of printing and are subject to change without notice. International prices are additional in most countries. All orders are subject to final acceptance.

Notes

ARES Rheometers

ARES Temperature Control Options

		Price $US/€
700.03382.2	Forced Convection Oven FCO (for installed system; V6 and V8)	13,300
700.03382.6	FCO Liquid Nitrogen Controller Option (ARES V6 and V8)	14,800
700.03382.4	FCO Mechanical Chiller	19,900
700.02013	FCO Mechanical Chiller Power Option (required for 190-220 VAC, 50 Hz)	565
700.03382.8	Recirculating Fluids Bath (Version 2), Requires Circulator for Temp control	9,400
700.02750.3	ARES Computer Controlled Circulator	4,300
700.02750.1	ARES Computer Controlled Circulator (230 VAC, 50 Hz)	4,300
700.03382.5	Peltier Temperature Option (for installed ARES system V6 or V8)	11,200
700.03038.1	Peltier Circulator (115 VAC, 60 Hz)	735
700.03038.2	Peltier Circulator (230 VAC, 50 Hz)	735

ARES Advanced System Options & Accessories

402020.951	Waveform and Fast Sampling Option (for ARES V5, V6, or V8),	4,995
700.02903	Dielectric Thermal Analysis Option (115/220 VAC, 50/60 Hz; specify power requirement on order)	32,000
700.02903.1	Dielectric Thermal Analysis Option (Customer supplies bridge) 115/220 VAC, 50/60 Hz; Specify power requirement on order	11,600
700.03188.1	Electro-Rheology Analysis Option	28,400
700.02945.1	Optical Analysis Module OAM II	33,500
708.01442	Optical Parallel Plate; includes: 38.1 mm upper and lower glass parallel plates for use with OAMII	5,250
708.01439	Optical Couette Kit; includes:11,400 30 mm OD Upper stainless bob and 34 mm ID stainless/glass cup; for use with OAMII at ambient use only; requires V5.xx.xx or higher firmware and 2KFRTN transducer	

ARES Version Upgrade Packages

700.03014.1	Upgrade ARES Version 1 & 2 to 15	16,900
700.03014.2	Upgrade ARES Version 3 & 4 to 15	13,900

Stainless Steel Parallel Plates for Force Convection Oven

NOTE: Titanium Upper Tools Required for ARES-LS1 & ARES-RFS

708.00970.1	8 mm parallel plates, upper and lower, stainless steel	2,170
708.00966.1	25 mm parallel plates, upper and lower, stainless steel	2,170
708.00968.1	50 mm parallel plates, upper and lower, stainless steel	2,170
708.00965.U	25 mm, upper parallel plate, stainless steel	1,090
708.00965.L	25 mm lower parallel plate, stainless steel	1,090
708.00967	50 mm upper parallel plate, stainless steel	1,090
708.00967.L	50 mm lower parallel plate, stainless steel	1,090
708.00972.1	25 mm upper and lower serrated parallel plates	3,230

Titanium Parallel Plates for Force Convection Oven

Note: Titanium upper geometries are required for use with ARES-LS1 & ARES-RFS configured with FCO and 1KFRT Transducer.

708.00952	25 mm upper parallel plate, titanium (can use with Lower Stainless in FCO)	1,170
708.00953	50 mm Upper Paralle Plate, Titanium (can use with Lower Stainless in FCO)	1,660

Invar Parallel Plates for Force Convection Oven

708.01026.1	8mm parallel plates; upper and lower; Invar	2,730
708.01020.1	25mm parallel plates; upper and lower; Invar	2,490
708.01023.1	50mm parallel plates; upper and lower; Invar	2,530

Stainless Steel Cones for Force Convection Oven (requires lower parallel plate of same diameter)

708.00961	25mm 0.02rad cone; stainless	1,090
708.00962	25mm 0.04rad cone; stainless	1,090
708.01003	25mm 0.10rad cone; stainless	1,090
708.00963	50mm 0.02rad cone; stainless	1,170
708.00964	50mm 0.04rad cone; stainless	1,170

Titanium Cones for Bath and Force Convection Oven

Note: Requires lower plate for temperature control system of interest.

708.00954	25mm 0.02rad cone; titanium	1,170
708.00959	25mm 0.04rad cone; titanium	1,170
708-01004	25mm 0.10rad cone; titanium	1,160
708.00955	50mm 0.02rad cone; titanium	1,240
708.00960	50mm 0.04 rad cone; titanium	1,240

Disposable Plate Fixtures & Accessories

708.01015	Disposable Plate Fixture; upper and lower; stainless	2,530
708.01031	Upper Disposable Plate Fixture; titanium (Recocmmended for ARES-LS1 and ARES-RFS)	2,100
700.02648	25mm Disposable Plate Sample Mold	2,920

Disposable Plates (Aluminum and Stainless Steel)

700.01294.17	8mm disposable parallel plates; aluminum; 10pair	405
700.01294.3	25mm disposable parallel plates; aluminum; 10pair	250
700.01294.4	40mm disposable parallel plates; aluminum; 10pair	385
700.01294.5	50mm disposable parallel plates; aluminum; 10pair	405
700.01294.11	8mm disposable parallel plates; serrated aluminum; 1pair	195
700.01294.6	25mm disposable parallel plates; serrated aluminum; 1pair	230
700.01294.7	50mm disposable parallel plates; serrated aluminum; 1pair	585
700.02678	42mm Disposable Cup; aluminum; for use with 401.00756	110
700.01295.9	8mm disposable parallel plates; stainless; 10pair	920
700.01295.3	25mm disposable parallel plates; stainless; 10pair	920
700.01295.4	40mm disposable parallel plates; stainless; 10pair	1,060
700.01295.5	50mm disposable parallel plates; stainless; 10pair	1,140
401.00756	Combined Melts/Solids Upper Plate; 8mm and 25mm testing surfaces; for use with 700.02678	110

Disposable Cones (Aluminum)

700.02451.2	25mm 0.02 rad disposable cone; aluminum; 10pair	400
700.02451.1	25mm 0.10 rad disposable cone; aluminum; 10pair	400
700.02451.3	50mm 0.04 rad disposable cone; aluminum; 10pair	400

Insulated PPS Parallel Plates and Cones for use with Peltier Plate and Bath

Note: Stainless Steel and Titanium Upper Geometries can also be used w/Peltier Tools below are all PPS insulated plastic with upper temp limit of 150°C and can not be used with Force Convection Oven

401.01158	25mm parallel plate; upper; PPS	465
708.01407	40mm parallel plate; upper; PPS	465
401.01168	25mm 0.1rad cone; PPS	465
708.01447.1	25mm 0.02rad cone; PPS	465
708.01409	50mm parallel plate; upper; PPS	500

Version 2 Fluids Bath Plates and Cones (Stainless Steel/Titanium)

Note: Version 2 lower bath tools are threaded and screw into Bath.

708.01469	25mm parallel plates; upper (titanium) and lower (stainless)	2,260
708.01470	50mm parallel plates; upper (titanium) and lower (stainless)	2,380
708.01471	25mm parallel plate; lower; stainless	1,310
708.01472	50mm parallel plate; lower; stainless	1,420
708.00952	25mm upper parallel plate; titanium	1,170
708-00953	50mm upper parallel plate; titanium	1,660
708-01004	25mm 0.10rad cone; titanium	1,160
708.00959	25mm 0.04rad cone; titanium	1,170
708.00954	25mm 0.02rad cone; titanium	1,170
708.00955	50mm 0.02rad cone; titanium	1,240
708.00960	50mm 0.04rad cone; titanium	1,240
708.01483	63mm parallel plate; lower; stainless; enclosed in glass cup with cover	2,100

Version 1 Fluids Bath Plates and Cones (Stainless Steel/Titanium)

Note: Version 1 lower bath tools are tapered (no thread).

708.01189.1	25mm parallel plates; upper (titanium) and lower (aluminum)	2,260
708.01051.1	50mm parallel plates; upper (titanium) and lower (aluminum)	2,380
708.01050.1	50mm lower parallel plate; aluminum	1,140
708.01367.1	25mm lower parallel plate; stainless	1,410
708.01035.1	50mm lower parallel plate; stainless	1,410
708.00952	25mm upper parallel plate; titanium	1,170
708-00953	50mm upper parallel plate; titanium	1,660
708-01004	25mm 0.10rad cone; titanium	1,160
708.00959	25mm 0.04rad cone; titanium	1,170
708.00954	25mm 0.02rad cone; titanium	1,170
708.00955	50mm 0.02rad cone; titanium	1,240
708.00960	50mm 0.04rad cone; titanium	1,240
708.01183.3	63mm parallel plate; lower; stainless; enclosed in glass cup with cover	2,100

Version 2 Bath Concentric Cylinder Testing Packages & Replacement Parts

Note: Version 2 lower bath tools are threaded and screw into Bath.

708.01473	34 mm Couette Testing Package; includes: 32 mm dia. titanium bob with recessed end (part# 401.00600.3) 34 mm dia. stainless cup (part# 400.10949)	2,580
400.10949	34 mm dia. replacement stainless cup	1,420
401.00600.3	32 mm dia. replacement titanium bob with recessed end	1,480
708.01474	17 mm Couette Testing Package; includes: 16.5 mm dia. titanium bob with recessed end (part# 401.00614.1) 17 mm dia. stainless cup (part# 401.01286)	2,580

401.01286	17 mm dia. replacement stainless cup	1,420
401.00614.1	16.5 mm dia. replacement titanium bob with recessed end	1,480
708.01475	Double Wall Couette Package; includes: 34 mm OD/27.95 mm ID stainless cup 32 mm OD/29.5 mm ID titanium bob	3,930
708.01228	18 mm Vane Fixture (for use with 34 mm couette cup)	2,280

Version 1
Bath Concentric Cylinders Testing Packages & Replacement Parts

Note: Version 1 lower bath tools are tapered (no thread).

401.00600.3	32 mm dia. replacement titanium bob with recessed end	1,480
401.00735.1	34 mm dia. replacement stainless cup; old style bath	1,260
401.00647.1	34 mm dia. replacement aluminum cup; old style bath	1,260
401.00614.1	16.5 mm dia. replacement titanium bob with recessed end	1,480
401.00839.1	17 mm dia. replacement stainless cup; old style bath	1,260
401.00734.1	17 mm dia. replacement aluminum cup; old style bath	1,260
708.01096.1	Double Wall Couette Package; old style bath; includes: 34 mm OD/27.95 mm ID aluminum cup 32 mm OD/29.5 mm ID titanium bob	3,900

Torsion Rectangular & Torsion Cylindrical Tools

708.01495	Torsion Rectangular Tool Solids Testing Tool	3,680
708.01383	Torsion Cylindrical Tool Solids Testing Tool	3,680
700.03541.2	Metric Insert Kits (for original torsion fixture)	350
700.03541.1	English Insert Kits (for original torsion fixture)	335

Special Fixtures

708.01453	ARES Immersion Fixture; for testing torsion rectangular samples immersed in liquid	6,200
400.11036	Lower Plate Adapter for Immersion Fixture; enables parallel plate testing (Requires part# 708.01453)	105
708.01440	Linear Tack Testing Tool for use with ARES and FRT transducers	2,100
708.01458	Linear Film/Fiber Test Tool; used with ARES and FRT transducers (stress/strain)	2,100
708.00991	Film/Fiber Testing Tool; for dynamic testing of films using 2KFRT transducer	3,510
708.00989	Contained Cup Fixture; includes: 50 mm titanium upper plate 63 mm stainless lower plate with glass cup and humidity covers for ambient testing only	3,700
708.01183.3	63 mm Stainless Lower Plate with Glass Cup and Humidity Covers	2,100

708.01121.1	27 mm Ambient Couette Testing Package; includes: 25 mm dia. titanium bob with recessed end 27 mm dia. stainless cup PRT for use with lower cup Designed for ambient testing of fluids on instruments without fluids bath	5,490
401.00710.3	Replacement 25 mm titanium bob with recessed end	2,310
401.00709.2	Replacement 27 mm stainless cup	3,050
700.02645.1	Replacement PRT	590

ARES Testing Packages and Sample Preparation

(Testing packages offers sets of tools and accessories for specific applications)

708.01333.1	Melt Rheology Starter Package (for use with FCO); includes: Torsion Rectangular Solids testing tooling 25 mm parallel plates 25 mm 0.1 rad cone	5,100
708.01333.2	Advanced Melt Add-On Package (for use with FCO) ; includes: 50 mm parallel plates 25 mm serrated plates 50 mm 0.04 rad cone	5,450
708.01333.3	Thermoset Testing Package (for use with FCO); includes: Torsion Rectangular Solids testing tooling Disposable Plate Fixture One pair 8 mm disposable Al plates One pair 25 mm disposable Al plates	5,100
708.01476	Fluid Rheology Starter Package for Version 2 Bath; includes: 50 mm parallel plates 50 mm 0.04 rad cone 34 mm couette	5,100
708.01333.4	Fluid Rheology Starter Package for Version 1 Bath; includes: 50 mm parallel plates 50 mm 0.04 rad cone 34 mm Couette	5,100
708.01477	Advanced Fluids Add-On Package for Version 2 Bath; includes: 25 mm parallel plates 25 mm 0.04 rad cone 17 mm Couette	5,450
708.01333.5	Advanced Fluids Add-On Package for Version 1 Bath; includes: 25 mm parallel plates 25 mm 0.04 rad cone 17 mm couette	5,450
700.01412	Peltier Shear Testing Tool Package; includes: 25mm upper insulated plate, PPS 50mm upper insulated plate, PPS 25mm 0.1 rad insulated cone, PPS 50mm 0.04 rad insulated cone, PPS	3,060

708.01333.6	Asphalt Testing Package; includes: Melts/solids testing accessory Disposable Plate Fixture	2,460
708.01444	ARES Melt Sample Preparation Kit; includes: 8 mm, 25 mm punch & die set (to 3 mm thick) Aluminum scraping tool for trimming sample Brass brush for cleaning plates Precision knife for sample trimming	2,760
700.02648	25 mm Disposable Plate Sample Mold; includes: 6 cavity stainless steel mold for use with disposable plates; Molds 6.35 mm thick samples and is specifically designed for molding elastomers	2,920

ARES Accessories

700.02657.2	Air Dryer	2,340
613.06404	Replacement F73C Green Coalescing Filter Element	95
613.06406	Replacement F73G 5 micron Filter Element	7
700.00437.1	Air Table	3,950
700.02192	Asphalt Silicone Mold Ring; for use with CMS fixture	50
700.02371.1	Five-Cavity Silicone Rubber Mold	115

ARES Calibration and Test Materials

711.00026	Replacement Calibration Kit; includes: 10, 20, 100, 200, 500, 1000 gram weights Pulley/rod assembly Transducer calibration weight fixture Motor pointer for strain check PDMS Silicone putty Silicon oil	1,510
700.01011	PDMS, 2oz	100
700.02459	PDMS, 1oz	80
700.01016	Silicone Oil ~1000 cps at 25 °C	35
400.02589	Steel Reference Standard	55

AR Rheometers

Fluid Circulators (AR Rheometers) – From USA

250001.001	Submersible nylon pump (for reservoir p/n 250002.001)	130
250002.001	Reservoir, Peltier (2.5 gal., 10 L)	180
952377.901	Cooling reservoir fungicide	20
500020.901	Computer Controlled Fluid Circulator, FS18 (115V / 60 Hz)	6,490
500027.901	Computer Controlled Fluid Circulator, F30C (115V / 60 Hz)	5,610

Fluid Circulators (AR Rheometers) – From UK

575001.901	Temperature Controlled Water Bath (230 V / 50 Hz)	1,540
575003.901	Reservoir Peltier Cooling	180
575002.901	Submersible nylon pump (for reservoir p/n 575003.901)	230
952377.901	Cooling reservoir fungicide	20
575004.901	Computer Controlled Fluid Circulator, FS18 (230 V / 50 Hz)	6,430
575008.901	Computer Controlled Fluid Circulator, F30C (230 V / 50 Hz)	5,720

Air Supply Accessories (AR, CSL; From USA)

250000.001	Filter / Regulator	880
250000.002	0.01 micron filter element for use with 250000.001	250
250000.003	5 micron filter element for use with 250000.001	20
500030.901	Dryer, Membrane, compressed air	1,050

Air Supply Accessories (AR, CSL; From UK)

545415.901	Filter / Regulator	840
545420.901	Filter Element, Red Oil	75
545421.901	Filter Element, White, 25 micron	20
500030.901	Dryer, Membrane, compressed air	1,050
575005.901	Compressor, oil free, with dryer	5,880

AR 2000 Rheometer Temperature Control Options

AR 2000 Peltier Plate

531051.901	Peltier Plate - AR 2000	3,890

AR 2000 Environmental Test Chamber (ETC)

543301.901	Environmental Test Chamber (ETC)	8,670

ETC requires one of the following 3 items:

543311.901	Flow Meter, ETC	265
543312.901	Low Temperature ETC Fittings without LN2 Dewar	3,150
543313.901	Low Temperature ETC Fittings with LN2 Dewar	8,400

ETC also requires one of the following 6 items:

543306.901	ETC, Parallel Plate; includes: ETC Upper shaft (543319.901) ETC Lower Smart Swap Plate Assembly 25 mm HA Al stepped lower plate (526250.904) 25 mm HA Al upper plate (526250.903) Two 40 mm HA Al Plates (526400.903) Wire brush (578905.001) and brass scraper (578904.001) One package melt rings (replacement pkg of 50, see ETC Accessories)	3,880

543308.901	ETC, Disposable Parallel Plates; includes: ETC Upper disposable plate shaft ETC Lower disposable Smart Swap plate Assembly Five sets 25 mm disposable plates (Replacement Part# 523250.927)	4,590
543309.901	ETC, Pressure Sensitive Adhesives Kit; includes: ETC Upper shaft (543319.901) ETC lower Plate Assembly 25 mm SST cross hatched stepped lower plate (527250.906) 25 mm SST cross hatched upper plate (527250.905) 25 mm HA AL stepped lower plate (527250.906) 25mm HA AL lower plate (527250.905) 8 mm diameter upper plate (527080.903) 8 mm diameter stainless steel Lower Plate (527080.904) Wire brush (578905.001) and brass scraper (578904.001)	5,100
543310.901	ETC, Asphalt Kit; includes ETC Upper shaft (543319.901) ETC lower Plate Assembly 25 mm diameter stainless steel stepped lower plate (527250.904) 25 mm diameter stainless steel upper plate (527250.903) 8 mm diameter stainless steel shaft (527080.903) 8 mm diameter stainless steel Lower Plate, stepped (527080.904) Set of asphalt molds (554007.901)	4,080
543307.901	ETC, Torsion Clamp; includes: ETC Upper shaft ETC lower torsion rectangular assembly Upper torsion rectangular clamp Set of clamp faces and inserts Torque wrench	5,920

AR 2000 Concentric Cylinder System with Peltier Temperature Control

Note: HA Al = Hard Annodized Aluminum, SST = Stainless Steel

545601.901	Concentric cylinder system, conical (DIN); includes: Smart Swap Peltier Jacket 28 mm dia HA Al conical DIN Rotor, 42 mm length 30 mm dia HA Al cup Cover, split (Note: cover is not solvent trap)	8,670
545602.901	Concentric cylinder system, recessed; includes: Smart Swap Peltier Jacket 28 mm dia HA Al recessed Rotor, 42 mm length 30 mm dia HA Al cup Cover, split (Note: cover is not solvent trap)	8,670
545603.901	Concentric cylinder system, double gap; includes: Smart Swap Peltier Jacket HA Al double gap Rotor, inner dia = 40 .76 mm, outer dia = 43.92 mm HA Al double gap cup Cover, split (Note: cover is not solvent trap)	8,670

545604.901	Concentric cylinder system, vaned; includes: Smart Swap Peltier Jacket 28 mm dia SST vaned Rotor, 42 mm length 30 mm dia HA Al cup Cover, split (Note: cover is not solvent trap)	8,670
545606.901	Submersion Torsion System; includes: Smart Swap Peltier Jacket Lower cup torsion rectangular assembly Upper torsion rectangular clamp Set of clamp faces and inserts	9,690
545618.901	Submersion Torsion Kit (requires Peltier Jacket); includes: Lower cup torsion rectangular assembly Upper torsion rectangular clamp Set of clamp faces and inserts	5,710

AR 2000 Concentric Cylinder System – Replacement Parts

Note: HA Al = Hard Annodized Aluminum, SST = Stainless Steel

545611.901	Peltier Jacket, Smart Swap	4,470
545622.001	Cup, HA Al, 30 mm diameter	1,610
545031.001	Double gap rotor, HA Al	1,050
545612.901	Double gap cup	1,790
545012.001	Conical rotor, DIN, HA Al, 28 mm diameter x 42 mm long	1,680
545023.001	Recessed rotor, HA AL, 28 mm diameter x 42 mm long	1,680
545630.001	Cup, SST, 30 mm diameter	1,630
545035.001	Rotor, SST, Double Gap	1,240
545613.901	Cup, SST, Double Gap	1,920
545026.001	Rotor, SST, Conical, DIN, 28 mm diameter x 42 mm long	1,920
545027.001	Recessed Rotor, SST, 28 mm diameter x 42 mm long	1,920
545025.001	Vaned rotor, 28 mm diameter x 42 mm long	1,580
545626.001	Cover, split (Note: cover is not solvent trap)	1,210

AR 1000 / AR 550 Rheometer Temperature Control Systems

540400.901	Low Temperature Module, AR 1000 (includes stage and holder)	12,600
542401.901	High Temperature Module, AR 1000 (includes stage and holder)	12,600
541400.901	Fittings to add low temperature capability to High Temperature Module	8,400
541401.901	Fittings to add low temperature capability to High Temperature Module without liquid nitrogen Dewar	1,580
541402.901	Kit, Extended Temperature Module (ETM) Compressed Air Cooling	1,050

AR 1000 / 550 – ETC Accessories

543000.901	Environmental Test Chamber	7,460

ETC requires one of the following 3 items:

543014.901	Torsion Clamp Accessory Kit; includes: ETC Upper shaft (543319.901) ETC lower torsion rectangular assembly Upper torsion rectangular clamp Set of clamp faces and inserts Torque wrench	5,710
543016.901	Disposable Parallel Plate Accessory Kit; includes: ETC Upper disposable plate shaft, AR1000/AR550 ETC Lower disposable Smart Swap plate Assembly, AR1000/AR550 Five sets 25 mm disposable plates (Replacement Part# 523250.927)	3,160
543015.901	Parallel Plate Accessory Kit; includes: ETC Upper shaft AR1000/AR550 (543319.901) ETC Lower Plate Assembly AR1000/AR550 25 mm HA Al stepped lower plate (526250.904) 25 mm HA Al upper plate (526250.903) Two 40 mm HA Al Plates (526400.903) Wire brush (578905.001) and brass scraper (578904.001) One package of 10melt rings (replacement pkg of 50, see ETC Accessories)	3,160

ETC also requires one of the following 3 items:

543311.901	ETC, flow meter kit	265
543313.901	Fittings to add low temperature capability to ETC (with LN2 Dewar)	8,400
543312.901	Fittings to add low temperature capability to ETC (without LN2 Dewar)	3,150

AR 1000 / 550 Concentric Cylinder System (For correct operation, requires a fluid circulator)

Note: HA Al = Hard Annodized Aluminum, SST = Stainless Steel

545006.901	Concentric Cylinder System DIN; includes Fluid Jacket (545007.901) Cup Adapter (545014.001) 30 mm dia HA Al Cup (545003.901) Rotor, HA Al, Conical, DIN, 28 mm diameter x 42 mm long Cover, split (Note: Cover is not solvent trap)	5,410
545007.901	Concentric Cylinder System Recessed; includes: Fluid Jacket (545007.901) Cup Adapter (545014.001) 30 mm dia HA Al Cup (545003.901) Rotor, HA Al, Recessed, 28 mm diameter x 42 mm long Cover, split (Note: Cover is not solvent trap)	5,410
545008.901	Concentric Cylinder System Vaned; includes: Fluid Jacket (545007.901) Cup Adapter (545014.001) 30 mm dia HA Al Cup (545003.901) Rotor, SST, Vaned, 28 mm diameter x 42 mm long Cover, split (Note: Cover is not solvent trap)	5,410
545009.901	Concentric Cylinder System Double Gap; includes: Fluid Jacket (545007.901) Fluid Jacket Adapter for Double gap cup HA Al double gap Rotor, inner dia = 40 .76 mm, outer dia = 43.92 mm HA Al double gap cup Cover, split (Note: Cover is not solvent trap)	5,410

AR 1000 / 550 Concentric Cylinder System – Replacement Parts

545002.901	Fluid jacket (requires appropriate adapter)	2,240
545032.001	Fluid Jacket Adapter for Double gap cup (545032.001)	730
545004.901	Double gap cup	1,790
545031.001	Double gap rotor	1,050
545014.001	Fluid Jacket Adapter for 30 mm dia cup	730
545003.901	30 mm dia HA Al Cup	1,610
545012.001	Conical rotor, DIN, HA Al, 28 mm diameter x 42 mm long	1,680
545023.001	Recessed rotor, HA AL, 28 mm diameter x 42 mm long	1,680
545025.001	Vaned rotor, 28 mm diameter x 42 mm long	1,580
545005.901	Cover, split (Note: Cover is not solvent trap)	1,210
545061.901	Pt 100 thermometer (for concentric cylinder systems)	1,120

ETC Upper Cone Geometries for AR 2000 & AR 1000 / 550

(For correct operation, each cone requires a matching lower plate)
for use with 543319.901 or 543112.901

523206.904	Cone (20 mm, 2 degree)	135
523207.904	Cone (20 mm, 4 degree)	135
523406.903	Cone (40 mm, 2 degree)	135
523407.903	Cone (40 mm, 4 degree)	135

ETC Plates for AR 2000 & AR 1000 / 550

Note: HA Al = Hard Annodized Aluminum, SST = Stainless Steel
for use with 543319.901 or 543112.901

523400.927	Plate ETC, Disposable, 40 mm (Pkg of 100)	560
526080.904	Plate, HA Al, ETC (8 mm), Stepped	55
526250.903	Plate, HA Al, ETC (25 mm), Non-Stepped	35
526250.904	Plate, HA Al, ETC (25 mm), Stepped	55

526400.903	Plate, HA Al, ETC (40 mm) Non-Stepped	55
527080.903	Plate, SST, ETC, (8 mm), Shaft	815
527080.904	Plate, SST, ETC, (8 mm), Stepped	105
527250.903	Plate, SST, ETC, (25 mm), Non-Stepped	105
527250.904	Plate, SST, ETC, (25 mm), Stepped	105
527400.903	Plate, SST, ETC, (40 mm), Non-Stepped	105
527250.905	Plate, SST, ETC, Cross Hatched (25 mm), Non-Stepped	200
527250.906	Plate, SST, ETC, Cross Hatched (25 mm), Stepped	200
527400.905	Plate, SST, ETC, Cross Hatched (40 mm), Non-Stepped	200

ETC Disposable Plates for AR 2000 & AR 1000 / 550

For use with 543016.901 or 543308.901

526000.901	ETC, Split Shield Assembly; includes HA Al 25 mm lower plate with groove and two cover pieces	1,640
523250.928	ETC, Disposable Plate with Drip Channel (package of 100 or 50 sets)	1,000
523250.927	Plate ETC, Disposable, 25 mm (Pkg of 100)	560

ETC Accessories for AR 2000 & AR 1000 / 550

543097.911	Rings, melt (package of 50)	335
543112.901	AR 1000 ETC Upper Replacement Shaft	945
543319.901	AR 2000 ETC Upper Replacement Shaft	995
543320.901	AR 2000 ETC Disposable Upper Replacement Shaft	1,020

ETM Plates & Accessories for AR 1000 / 550

Note: ETM plates are compatible with ETC

523200.904	Plate, ETM / ETC Al, (20 mm)	30
523250.904	Plate, ETM / ETC Al, (25 mm)	30
523400.903	Plate, ETM / ETC, Al, (40 mm)	30
542420.901	Stage, ETM	3,480

General Measuring Geometries for Peltier Plate

Stainless Steel Peltier Cone Geometries (cone and plate) without Solvent Trap

511204.902	Cone (20 mm, 1 degree)	820
511206.902	Cone (20 mm, 2 degree)	820
511207.902	Cone (20 mm, 4 degree)	820

Stainless Steel Peltier Parallel Plate Geometries without Solvent Trap

511080.902	Plate (8 mm)	820
511120.902	Plate (12 mm)	820
511200.902	Plate (20 mm)	820
511250.902	Plate (25mm)	820
517200.902	Plate, cross hatched (20 mm)	1,600

Stainless Steel Peltier Cone Geometries with Solvent Trap

511203.901	Cone (20 mm, 0.5 degree)	855
511204.901	Cone (20 mm, 1 degree)	855
511206.901	Cone (20 mm, 2 degree)	855
511207.901	Cone (20 mm, 4 degree)	855
511403.901	Cone (40 mm, 0.5 degree)	895
511404.901	Cone (40 mm, 1 degree)	895
511406.901	Cone (40 mm, 2 degree)	895
511407.901	Cone (40 mm, 4 degree)	895
511603.901	Cone (60 mm, 0.5 degree)	920
511604.901	Cone (60 mm, 1 degree)	920
511606.901	Cone (60 mm, 2 degree)	920
511607.901	Cone (60 mm, 4 degree)	920

Stainless Steel Peltier Parallel Plate Geometries with Solvent Trap

511200.901	Plate (20 mm)	855
511400.901	Plate (40 mm)	895
511600.901	Plate (60 mm)	920
517200.901	Plate, cross hatched (20 mm)	1,650
517400.901	Plate, cross hatched (40 mm)	1,790

Solvent Trap, Purge Gas, Thermal and Peltier Plate Covers

529607.901	Trap cover, split, ST, hard anodized	1,030
529608.901	Gas purge location ring (use with 529609.901)	1,070
529609.901	Gas purge cover	1,240
517040.901	Cover plate, cross hatched (40 mm)	2,680
517060.901	Cover plate, cross hatched (60 mm)	3,150
529750.901	Assy, Peltier Thermal Cover (25 mm)	2,540

Stainless Steel Peltier Plate Geometries with Composite Heat Break

512206.902	Cone (20 mm, 2 degree)	1,290
512206.901	Cone, solvent trap (20 mm, 2 degree)	1,290
512406.901	Cone, solvent trap (40 mm, 2 degree)	1,340
512407.901	Cone, solvent trap (40 mm, 4 degree)	1,340
512606.901	Cone, solvent trap (60 mm, 2 degree)	1,390
512607.901	Cone, solvent trap (60 mm, 4 degree)	1,390

Stainless Steel Peltier Plate Geometries with Composite Heat Break

512080.902	Plate (8 mm)	1,290
512200.902	Plate (20 mm)	1,290
512200.901	Plate, solvent trap (20 mm)	1,290
512250.902	Plate (25 mm)	1,290
512400.901	Plate, solvent trap (40 mm)	1,340
512600.901	Plate, solvent trap (60 mm)	1,390

Titanium Peltier Plate Geometries with Solvent Trap

520400.901	Plate, solvent trap (40 mm)	2,180
520600.901	Plate, solvent trap (60 mm)	2,310

Acrylic Peltier Cone Geometries without Solvent Trap

(Note: maximum use temperature = 40degC)

516204.902	Cone (20 mm, 1 degree)	830
516206.902	Cone (20 mm, 2 degree)	830
516207.902	Cone (20 mm, 4 degree)	830

Acrylic Peltier Plate Geometries without Solvent Trap

(Note: maximum use temperature = 40degC)

516200.902	Plate (20 mm)	830
518200.902	Plate, cross hatched (20 mm)	1,940

Acrylic Peltier Cone Geometries with Solvent Trap

(Note: maximum use temperature = 40degC)

516204.901	Cone, solvent trap (20 mm, 1 degree)	880
516206.901	Cone, solvent trap (20 mm, 2 degree)	880
516207.901	Cone, solvent trap (20 mm, 4 degree)	880
516404.901	Cone, solvent trap (40 mm, 1 degree)	920
516406.901	Cone, solvent trap (40 mm, 2 degree)	920
516407.901	Cone, solvent trap (40 mm, 4 degree)	920
516604.901	Cone, solvent trap (60 mm, 1 degree)	945
516606.901	Cone, solvent trap (60 mm, 2 degree)	945
516607.901	Cone, solvent trap (60 mm, 4 degree)	945

Acrylic Peltier Plate Geometries with Solvent Trap

(Note: maximum use temperature = 40degC)

516200.901	Acrylic solvent trap (20 mm)	880
516400.901	Acrylic solvent trap (40 mm)	920
516600.901	Acrylic solvent trap (60 mm)	945
518200.901	Plate, cross hatched, solvent trap (20 mm)	1,940
518400.901	Plate, cross hatched, solvent trap (40 mm)	2,070

Ambient Disposable Plate System (for use with AR1000/AR550 Peltier Plate)

545290.901	Disposable plate holder (top)	1,120
545291.901	Disposable plate holder (base)	1,290
545299.901	Disposable plate (pair)	95

Hard Anodized Aluminum Peltier Cone Geometries with Solvent Trap

513204.901	Cone, solvent trap (20 mm, 1 degree)	1,290
513206.901	Cone, solvent trap (20 mm, 2 degree)	1,290
513207.901	Cone, solvent trap (20 mm, 4 degree)	1,290
513404.901	Cone, solvent trap (40 mm, 1 degree)	1,340
513406.901	Cone, solvent trap (40 mm, 2 degree)	1,340
513407.901	Cone, solvent trap (40 mm, 4 degree)	1,340
513604.901	Cone, solvent trap (60 mm, 1 degree)	1,370
513606.901	Cone, solvent trap (60 mm, 2 degree)	1,370
513607.901	Cone, solvent trap (60 mm, 4 degree)	1,370

Hard Anodized Aluminum Peltier Plate Geometries with Solvent Trap

513200.901	Plate, solvent trap (20 mm)	1,290
513400.901	Plate, solvent trap (40 mm)	1,340
513600.901	Plate, solvent trap (60 mm)	1,370

Quartz Peltier Plate Geometries

524400.902	Plate (40 mm)	1,460

CSA II / CSA Lower Plates

(8 and 25 mm Upper plates are included in CSA II Rheometer)

554001.901	Lower CSA plate (8 mm)	465
554002.901	Lower CSA plate (25 mm)	465
554008.901	Lower CSA plate (12 mm)	465
554021.902	Plate (8mm) - CSA Clip-on	820
554200.902	Plate (25mm) - CSA Clip-on	1,600

CSA II / CSA Accessories

554003.901	CSA filter pack material	20
554004.901	CSA removal tool	180
554005.901	CSA turret inlet	190
554006.901	CSA filter housing	60
554007.901	Asphalt molds sample (pair)	45
585037.901	CSA solenoid valve	200
585062.901	CSA maintenance kit	170
540460.901	Kit, Accessory, CSA II Clip-On	6,840

Calibration Oils

250024.001	Low viscosity standard oil (USA) ~100 cps at 25 ˚C	105
250024.002	High viscosity standard oil (USA) ~1400 cps at 25 ˚C	105
575100.901	Low viscosity standard oil (UK)	105
575101.901	High viscosity standard oil (UK)	105

Rheology Texts

575103.901	Introduction to Rheology (Barnes, Hutton & Walters)	95
575105.901	A Handbook of Elementary Rheology (Howard A. Barnes)	60

Printers

925003-901	HP Color Inkjet Printer - 115 V / 60 Hz	520
925003-902	HP Color Inkjet Printer - 230 V / 50 Hz	520

General Information

Minimum order requirements: $100. All prices f.o.b. shipping point. Prices and specifications are those in effect at the time of printing and are subject to change without notice. International prices are additional in most countries. All orders are subject to final acceptance.

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP