



Accessories, Parts, & Consumables



Thermal Analyzers

Microcalorimeters

Rheometers

Parts List

Effective January, 2010



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29XX Series	18



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Thermal Analysis

Q Series DSC Accessories

970800.901	Pressure DSC Cell Note: For use with the Q2000 / Q20P and Q1000 / Q10P models. It provides heat flow measurements at pressures from 1 Pa to 7 MPa.
970814.901	Q Series PDSC Cell Shipping Accessory Kit Note: For use with PDSC Cell and Q2000 / Q1000 DSC.
900674.901	DSC Quench Cooling Accessory Note: For quench cooling of PDSC to -150°C using liquid nitrogen.
901600.901	Tzero Sample Press Kit Note: Includes a Tzero Press and die sets for Tzero Pans / Tzero Lids and Tzero Low-Mass Pans / Tzero Lids; Tzero Pans / Tzero Hermetic Lids; and Standard Aluminum Pans / Lids; Standard Hermetic Pans / Lids, respectively. The kit also includes one box each of Tzero Pans (100) and Tzero Lids (100).
935000.901	Photocalorimeter Accessory (PCA) with UV Light Source. Note: For use with the Q2000 / Q200 DSC modules to provide photocuring studies between -50 and 250°C. Includes a 320 - 500 nm internal filter.
935014.901	PCA External Filter Adapter Accessory Kit (allows use of external filters with the PCA P/N: 935000.901)
915064.901	MDSC Thermal Conductivity Kit

Q Series DSC Cooling Accessories

970037.901	Finned Air Cooling System (FACS) Note: For programmed air cooling of Q Series DSC Cell from 725°C to ambient temperature.
970036.901	Quench Cooling Accessory for FACS Note: Assists FACS in rapid cooling of Q Series DSC Cell to ambient temperature.
970470.901	Recirculator (120V) (for use with Circulator-Based Cooling System P/N: 972259.901)
970471.901	Recirculator (240V) (for use with Circulator-Based Cooling System P/N: 972259.901)
970008.901	Refrigerated Cooling System - RCS90 (115V, 60Hz) Note: For programmed or quench cooling of the Q Series DSC cells over the temperature range from 550 to -90°C. Sealed refrigeration system does not require liquid nitrogen.
970008.902	Refrigerated Cooling System - RCS90 (230V, 50Hz) See above comments.
970508.901	Refrigerated Cooling System - RCS40 (115V, 60Hz) Note: For programmed or quench cooling of the Q Series DSC cells over the temperature range from 400 to -40°C. Sealed refrigeration system does not require liquid nitrogen. Requires a DSC with QNX module software.
970508.902	Refrigerated Cooling System - RCS40 (230V, 50Hz) See above comments.
200266.001	RCS Dryer Note: For removal of trace moisture in purge gases.

200245.001	Pressure Regulator (North America use only) Note: For use with the RCS Dryer or the LNCS Purge Gas Purifier Unit; 4000 psi input, 40 psi output; CGA.
970400.901	Liquid Nitrogen Cooling System (LNCS) Note: For programmed or quench cooling of Q Series DSC Cells from 550 to -180°C. LNCS can be automatically refilled from an external LN2 source.
970425.901	LNCS DSC Purge Gas Purifier Unit Note: For removal of trace moisture in purge gases. Includes gas dryer unit and appropriate shut-off and bypass valving.
970347.901	Quench Cooling Accessory (QCA) Note: For rapid manual cooling of Q Series DSC Cell to subambient temperatures. If used with the Q2000 / Q200 or the Q1000 / Q100 modules, the following three parts must be added: 970442.001, 970283.001, and 970284.901
970442.001	Inner Manual Lid
970283.001	Outer Manual Lid
970284.901	Manual Cell Cover

Q Series DSC Replacement Cells

Note: Replacement Q Series DSC cells do not include silver lids or accessory kits.

970020.901	User Replacement Cell for Q2000 / Q1000 DSC
970520.901	Replacement Cell for Q200 / Q20 / AQ20 / Q100 / Q10 DSC modules Note: Requires separately priced installation by a TA Field Service Engineer.
970020.982	Remanufactured Q2000 / Q1000 User Replacement Cell - As Available
970520.982	Remanufactured Q200 / Q20 / AQ20 / Q100 / Q10 Cell - As available. Note: Requires separately priced installation by a TA Field Service Engineer.

Q Series DSC Field Upgrades

970003.901	Mass Flow Controller Upgrade Kit for Q100 / Q10 DSC Note: Includes Field Service Installation.
970004.901	MDSC Upgrade Kit for Q200 / Q100 DSC
971000.901	Autosampler Upgrade Kit for Q200 / Q100 DSC Note: Includes Field Service Installation.
970777.901	Q2000 / Q200 Upgrade Kit Note: Upgrades the functionality of a Q1000 to a Q2000 or a Q100 to a Q200, respectively. The kit includes a Display Retrofit Kit to QNX, Nameplate kit, new Autosampler tray, Autolids Upgrade kit, Tzero Press Kit, and Tzero Pans and Tzero Hermetic Lids (1 box of each). Price includes field installation by a TA Field Service Engineer. Note: Some older Q1000 / Q100 models may also need an upgrade of the Single Board Computer (SBC). Contact your TA Field Service Engineer for additional information.

Q Series DSC Accessory and Upgrade Kits

970011.901	Accessory Kit, DSC Q2000 / Q200 (supplied with Q2000 / Q200 modules)
970011.902	Accessory Kit, DSC Q20 (supplied with the Q20 module)
970011.903	Accessory Kit, DSC AQ20 (supplied with the AQ20 module)
970830.901	DSC Autolid II Upgrade Kit (optional field service installation recommended)

Replacement items for the Q Series DSC Autolid II

Note: Assembly of parts may require TA Service assistance.

970442.001	Inner Manual Lid
970464.001	Outer Lid
970441.001	Lift Rod

Miscellaneous Accessories

971126.901	DSC Autosampler Tray
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DSC Sample Encapsulation

901600.901	Tzero Sample Press Kit Note: Includes a Tzero Press and die sets for Tzero Pans / Tzero Lids and Tzero Low-Mass Pans / Tzero Lids; Tzero Pans / Tzero Hermetic Lids; and Standard Aluminum Pans / Lids; Standard Hermetic Pans / Lids, respectively. The kit also includes one box each of Tzero Pans (100) and Tzero Lids (100).
901608.901	Replacement Standard Die Set
901608.902	Replacement Hermetic Die Set
901608.903	Replacement Tzero Die Set
901608.904	Replacement Tzero Hermetic Die Set
901608.905	DSC High Volume Die Set

Standard Series (29XX) DSC Sample Press Replacement Parts

900530.901	Upper Crimping Die Set Assembly
900752.901	Lower Crimping Die Assembly
900719.001	Preforming Tool, for sealing Hermetic Pans (Blue Press)
258825.000	Spring for Lower Crimping Die
900720.000	Die, Hermetic Sealing

Tzero Series DSC Sample Pans and Lids

Note: Requires the Tzero Press (P/N: 901600.901).

901670.901	Tzero Low-Mass Pans (pkg. of 100)
901671.901	Tzero Lids (pkg. of 100)
901683.901	Tzero Pans (pkg. of 100)
901684.901	Tzero Hermetic Lids (pkg. of 100)
901685.901	Tzero Hermetic Pinhole Lid (75 micron diameter pinhole) (pkg. of 50)
901697.901	Tzero Alodined Pans (pkg. of 100)
901698.901	Tzero Hermetic Alodined Lids (pkg. of 100)

Standard Series DSC Sample Pans and Lids

Note: (*) Indicates the pans and lids work with the Tzero or Standard DSC Press.

900578.901	Platinum Pans (pkg. of 10)
900786.901	Aluminum Pans* (pkg. of 200)
900779.901	Aluminum Lids* (pkg. of 200)
900793.901	Aluminum Pans*, Hermetic (pkg. of 200)
900794.901	Aluminum Lids*, Hermetic (pkg. of 200)
900808.901	High Pressure Pan Kit Note: Includes metal bell jar and lid, crimping tool, 5 reusable stainless steel capsules, and 20 seals.
900814.901	High Pressure Capsule Seals (pkg. of 20)
900815.901	High Pressure Capsules (pkg. of 5)
900825.901	High Volume Pan Kit Note: Includes metal bell jar and lid, high volume die sets for Tzero and older Standard Press plus 100 each pans, lids, and seals.
900824.901	High Volume Die Set (for Standard DSC Press)
900825.902	High Volume Pans, Lids and Seals (pkg. of 100)
900860.901	Hermetic Lids with Pinhole (pkg. of 50)
900796.901	Coated Aluminum Pans*, Hermetic (pkg. of 200)
900790.901	Coated Aluminum Lids*, Hermetic (pkg. of 200)
900870.901	Aluminum Pans for SFI Samples (pkg. of 200)
900866.901	Gold Pans* (pkg. of 10)
900868.901	Gold Lids* (pkg. of 10)
900871.901	Gold Pans, Hermetic* (pkg. of 10)

900872.901	Gold Lids, Hermetic* (pkg. of 10)
900867.901	Copper Pans (pkg. of 200)
900874.901	Graphite Pans (pkg. of 10)
900873.901	Graphite Lids (pkg. of 10)

DSC Calibration Materials

970345.901	Kit, Tzero Calibration, Sapphire
970370.901	Sapphire, MDSC Calibration
915060.901	DSC / DTA Certified Temperature Calibration Kit
915061.901	Replacement Certified Indium Reference Material (for P/N: 915060.901 kit)
900910.901	Tin Calibration Material
900902.901	Indium Calibration Material
900907.901	Zinc Calibration Material
915079.901	Sapphire Specific Heat Material (0.16 inch OD x 0.020 inch height, for standard pans)
915079.902	Sapphire Specific Heat Material (0.13 inch OD x 0.020 inch height, for hermetic pans)
915079.903	Sapphire Specific Heat Material (0.187 inch OD x 0.034 inch height, for standard pans)
899096.901	Anisic Acid (1 gram) (a certified temperature calibration material)
899097.901	Biphenyl (1 gram) (a certified temperature calibration material)
970489.901	Adamantane (a certified temperature and enthalpy calibration material)
900319.901	Kit, DSC Oxidative Stability Calibration

Q Series DSC Photocalorimeter Accessories and Parts

935012.002	Dual Quartz Light Guide for PCA (-50 to 250°C operation) Note: Requires RCS for subambient use.
935012.001	Dual Liquid Light Guide for PCA (-50 to 80°C operation) Note: Requires RCS for subambient use.
935002.902	PCA Accessory Kit (replacement only) Note: TA supplied items required for photocalorimeter operation by customer who already has, or will separately obtain, the Novacure 2100 analyzer and appropriate dual light guide.
935002.903	PCA Accessory Kit (replacement only) Note: TA supplied items required for photocalorimeter operation by customer who already has, or will separately obtain, the Omnicure S-2000 analyzer and appropriate dual light guide.
200700.001	Radiometer (R2000) (for use with the Omnicure S-2000)

935014.901	PCA External Filter Adapter Accessory Kit (allows use of external filters with the PCA P/N: 935000.901)
935009.001	Filter, External, 320 - 480 nm (for the Omnicure S-2000 with external filter adapter)
935009.002	Filter, External, 320 - 390 nm (for the Omnicure S-2000 with external filter adapter)
935009.004	Filter, External, 400 - 500 nm (for the Omnicure S-2000 with external filter adapter)
935009.003	Filter, External, 365 nm (for the Omnicure S-2000 with external filter adapter)
935009.005	Blank Filter Holder, (for the Omnicure S-2000 with external filter adapter)
935006.008	Filter, Internal, 320 - 500 nm (for use with the Omnicure S-2000)
935006.007	Filter, Internal, 320 - 390 nm (for use with the Omnicure S-2000)
935006.006	Filter, Internal, 400 - 500 nm (for use with the Omnicure S-2000)
935006.004	Filter, Internal, 365 nm (for use with the Omnicure S-2000)
935006.001	Filter, Internal, 320 - 500 nm (for use with the Novacure 2100)
935013.001	Air Filter Kit (pkg. of 10)
935018.901	Filter, Longpass, 390 nm (pkg. of 2)
935019.901	Filter, Longpass, 490 nm (pkg. of 2)
935015.901	Filter, Neutral Density, 1 %
935016.901	Filter, Neutral Density, 10 %
935021.001	Lamp, 100 W, Mercury (for the Novacure 2100)
935021.002	Lamp, 200 W, Mercury (for the Omnicure S-2000)

TGA Q5000 IR Accessories

901600.901	Tzero Sample Press Kit Note: For sealing of Q5000 IR aluminum pans / lids as defined below; requires kit P/N: 957352.901 and TGA Die Set P/N: 957540.901.
957352.901	Aluminum Sealed Pan Kit Note: Consists of 100 pans, 100 lids, 30 bails, punch alignment tool, and dies for use with the Tzero and older standard presses.
957540.901	Die Set TGA Note: For use with the Tzero Press and the Sealed Aluminum Pan Kit P/N: 957352.901.
957349.901	TGA / MS Interface Kit
957468.901	TGA / FTIR Adapter Kit
957011.901	Replacement Accessory Kit, Q5000 IR
920307.901	Dual Trigger Cable, MS / FTIR to QTGA
957574.901	Dual MS / FTIR Interface Kit for Q5000 IR

TGA Q5000 IR Sample Pans (also suitable for use with the TGA-HP and VTI-SA Sorption Analyzers)

957207.903	Platinum Sample Pans, 50 μ L (pkg. of 3)
957207.904	Platinum Sample Pans, 100 μ L (pkg. of 3)
957571.901	Platinum - HT Sample Pans, 100 μ L (pkg. of 3)
957329.903	Ceramic Sample Pans, 100 μ L (pkg. of 3)
957329.904	Ceramic Sample Pans, 250 μ L (pkg. of 3)
957363.901	Aluminum Sample Pans, 80 μ L (pkg. of 100)
957362.901	Aluminum Lids (pkg. of 100)
957364.901	Stainless Steel Bail (pkg. of 15)
957210.902	Kit, Sample Pan, Quartz (pkg. of 3) (requires Autosampler Tray P/N: 957216.901)

TGA Q5000 IR Replacement Parts

957050.901	Q5000 Infrared Furnace
957050.982	Q5000 Infrared Furnace, Exchange
957050.980	Q5000 Infrared Furnace, CFRO
957099.901	Tray Autosampler TGA - 25 position: (for use with platinum, ceramic, and aluminum sample pans)
957216.901	Tray Autosampler - 10 position: (standard with Q5000 SA; option for Q5000 IR with Quartz Crucibles)
957515.901	Loop Decoupler Kit
953160.901	Heat Exchanger
952377.901	Heat Exchanger Conditioning Kit
952394.901	Sample Nickel Wire (not Certified)
900905.901	Calcium Oxalate Monohydrate
957082.901	Hook Hangdown
957381.001	Tube Load Q5000 IR Sample
957381.002	Tube Load Q5000 IR Reference
957341.901	TGA Weight Set (Calibrated)
957202.001	Crimping Die Set (for use with older standard press)

TGA Q5000 SA Accessories

200266.001	RCS Dryer Note: For removal of trace moisture in purge gases; one unit supplied with the Q5000 SA.
957011.902	Replacement Accessory Kit, Q5000SA

TGA Q5000 SA Sample Pans (also suitable for use with the TGA-HP and VTI-SA Sorption Analyzers)

957210.902	Kit, Sample Pan, Quartz (pkg. of 3)
957210.903	Kit, Sample Pan, Quartz, Metal Coated (pkg. of 3)
957207.903	Platinum Sample Pans, 50 μ L (pkg. of 3) Note: Requires P/N: 957099.901 (see below) for use with Q5000 SA.
957207.904	Platinum Sample Pans, 100 μ L (pkg. of 3) Note: Requires P/N: 957099.901 (see below) for use with Q5000 SA.

TGA Q5000 SA Replacement Parts

957216.901	Tray Autosampler Humidity Chamber - 10 position
957099.901	Tray Autosampler TGA - 25 position (required for use with Platinum or Aluminum Pans)
957515.901	Loop Decoupler Kit
957082.901	Hook Hangdown
953160.901	Heat Exchanger
952377.901	Heat Exchanger Conditioning Kit
957381.003	Tube Load Q5000 SA Sample / Reference
957156.901	Replacement Sensor Kit for Humidity Chamber
957400.901	TGA Calibration Set (Calibrated) (for Q5000 IR and Q5000 SA)

Sample Holders for TGA-HP and VTI-SA Sorption Analyzers

810026.001	Quartz Sample Holder (diameter = 12 mm) (for use with TGA-HP and VTI-SA)
810027.001	Quartz Sample Holder (flat bottom) (diameter = 12 mm) (for use with the TGA-HP and VTI-SA)
810028.001	Aluminum Round Sample Holder (diameter = 12 mm; height = 5 mm) (for use with TGA-HP and VTI-SA)
810028.002	Aluminum Round Sample Holder (diameter = 25 mm; height = 5 mm) (for use with VTI-SA)
810029.001	Permeation Cell (diameter = 10 mm; height = 10 mm) (for use with VTI-SA)
820044.001	Aluminum Sample Holder, Glass Opening, Round (diameter = 12 mm) (for use with VTI-SA; requires P/N: 820047.001 Glass Covers)
820045.001	Aluminum Sample Holder, Glass Opening, Round (diameter = 25 mm) (for use with VTI-SA; requires P/N: 820048.001 Glass Covers)

820046.001	Aluminum Sample Holder, Glass Opening, 25 mm Square (for use with VTI-SA; requires P/N: 820049.001 Glass Covers)
820047.001	Glass Covers, 12 mm Diameter (pkg. of 700) (for use with P/N: 820044.001 Aluminum Sample Holder with Glass Opening)
820048.001	Glass Covers, 25 mm Diameter (pkg. of 160) (for use with P/N: 820045.001 Aluminum Sample Holder with Glass Opening)
820049.001	Glass Covers, 25 mm Square (pkg. of 160) (for use with P/N: 820046.001 Aluminum Sample Holder with Glass Opening)
820055.001	Alumina Crucible (OD = 12.7 mm, height = 25.4 mm) (for use with the TGA-HP150 and HP150s)
820055.002	Quartz Crucible Solid Bottom (OD = 12 mm, height = 27 mm) (for use with the TGA-HP150 and HP150s)
820055.003	Quartz Crucible Frit Bottom (OD = 12 mm, height = 27 mm) (for use with the TGA-HP150 and HP150s)

Sample Holders for Previous Generation VTI Instruments

810031.001	Sample Holder 2 cc (for use with the HPVA-1000)
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TGA Q500 / Q50 Accessories and Field Upgrades

953350.901	Upgrade Kit, TGA High Resolution Note: Upgrades a Q500 for High Resolution operation.
953450.901	Upgrade Kit, Modulated TGA Note: Upgrades a Q500 for Modulated TGA operation.
953150.901	Upgrade Kit, Q500 Autosampler Note: Upgrades a Q500 for autosampler operation. Price includes field installation.
953046.901	Evolved Gas Furnace (EGA) Note: Recommended for evolved gas analysis with a MS or FTIR.
952011.901	Accessory Kit, TGA (supplied with Q500 / Q50 modules)
271001.002	Q500 / Q50 Mass Spectrometer Interface Kit (without library)
957481.901	Event Cable, FTIR

TGA Q500 / Q50 Sample Pans (also suitable for use with the TGA-HP and VTI-SA Sorption Analyzers)

952018.906	Platinum Sample Pans, 100 μ L (pkg. of 3)
952018.907	Ceramic Sample Pans, 100 μ L (pkg. of 3)
952018.908	Platinum Sample Pans, 50 μ L (pkg. of 3)
952018.909	Ceramic Sample Pans, 250 μ L (pkg. of 3)
952018.910	Ceramic Sample Pans, 500 μ L (pkg. of 3)
952323.902	Aluminum Sample Pans, 100 μ L (pkg. of 12)

TGA Q500 / Q50 Replacement Parts

952040.901	Sample Hangdown Wire
952040.902	Tare Hangdown Wire
952040.903	Wire Hangdown Tare (without tare tube) - used in latest TGA Q500 / Q50
952110.001	Tube, Hangdown Wire
952256.901	Kapton Hangdown Loop (strip of 10)
953208.901	Sample Thermocouple
952240.901	Auto TGA Q500 Multiple Sample Tray Kit
952357.901	Furnace Tube (quartz) with Seal Kit and Instructions
953032.901	Replacement TGA Q500 / Q50 Furnace
953032.980	TGA Q500 / Q50 Damaged Furnace CFRO
953160.901	Heat Exchanger, TGA Q500 / Q50
952377.901	Conditioning Kit, TGA Q500 / Q50 Heat Exchanger

TGA Q5000 / Q500 / Q50 / 2950 / 2050 SDT Q600 / 2960 Calibration and Test Materials

952541.902	TGA ICTAC Curie Point Reference Materials Kit for Q5000 IR <i>Note: Includes 0.5 gram each of the six ICTAC certified materials listed below.</i>
952541.901	TGA / SDT ICTAC Curie Point Reference Materials Kit <i>Note: Includes 0.5 gram each of the six ICTAC certified materials listed below.</i>
952500.901	Replacement ICTAC Certified Curie Point Reference Material 153°C
952504.901	Replacement ICTAC Certified Curie Point Reference Material 357°C
952508.901	Replacement ICTAC Certified Curie Point Reference Material 554°C
952512.901	Replacement ICTAC Certified Curie Point Reference Material 746°C
952516.901	Replacement ICTAC Certified Curie Point Reference Material 931°C
952520.901	Replacement ICTAC Certified Curie Point Reference Material 1116°C
952384.901	TGA / SDT Temperature Calibration Kit (Alumel and Nickel Reference Materials)
952385.901	Replacement Certified Nickel Reference Material (for kit P/N: 952384.901)
952398.901	Replacement Certified Alumel Reference Material (for kit P/N: 952384.901)
952540.901	TGA / SDT Mass Loss Reference Materials Kit <i>Note: Includes 1 gram each of the three materials listed below.</i>
952524.901	Mass Loss Reference Material (2% solution)
952528.901	Mass Loss Reference Material (49% solution)

952532.901	Mass Loss Reference Material (98% solution)
269931.001	100 mg Class 1 Precision Weight for TGA Weight Calibration
269931.002	1 gram Class E2 Precision Weight for TGA Weight Calibration
900905.901	Calcium Oxalate Monohydrate

SDT Q600 Accessories and Upgrades

271002.002	Q600 Mass Spectrometer Interface Kit (without library)
957481.901	Event Cable, FTIR

SDT Q600 / 2960 Sample Pans

960070.901	Alumina Sample Cups; 90 μ L (pkg. of 3)
960072.901	Alumina Sample Cups; 40 μ L (pkg. of 3)
960148.901	Platinum Sample Cups; 40 μ L (pkg. of 3)
960149.901	Platinum Sample Cups; 110 μ L (pkg. of 3)
960239.901	Alumina Lids; (pkg. of 3) (for use with P/N: 960070.901)

SDT Q600 Replacement Parts

961011.901	Accessory Kit SDT Q600 (included with the SDT Q600 module)
960017.901	Dual Beam Thermocouple Kit, SDT Q600
270198.015	O-Ring, Furnace Tube
960014.901	Calibration Weights Set
960059.001	Contact Thermocouple Wire
961020.901	SDT Q600 Furnace
961020.980	SDT Q600 Furnace CFRO

TMA Q400 / Q400EM Accessories and Upgrade Kits

945300.901	Mechanical Cooling Accessory - MCA 70 (120V, 60Hz) Note: For programmed or quench cooling of QNX-based Q400 / Q400EM TMA over temperature range of -70°C to 400°C. Sealed refrigeration system does not require liquid nitrogen.
945300.902	Mechanical Cooling Accessory - MCA 70 (220V, 50Hz) Note: For programmed or quench cooling of QNX-based Q400 / Q400EM TMA over temperature range of -70°C to 400°C. Sealed refrigeration system does not require liquid nitrogen.

945050.901	TMA Film / Fiber Accessory Kit Note: Consists of film / fiber sample stage, film / fiber probe assembly, vial of cleaved aluminum balls, film clamp assemblies, film clamp fixture, jeweller's screwdriver, and film clamp screws.
944202.901	Dilatometer Accessory Kit Note: Consists of dilatometer probe assembly, three dilatometer sample vials, two vials of filling medium, and a vial of aluminum calibration standard.
944203.902	Flexure Accessory Kit (for Q400 use; supplied with Q400EM) Note: Includes flexure probe assembly, flexure sample platform, and phase calibration fixture.
270134.001	Flow Meter Note: For purge gas regulation (14.8 to 148 mL/min) of earlier TMA Q400 / Q400 EM without mass flow control.
944200.901	Accessory Kit Q400 (included with Q400 / Q400EM modules) Note: The Flexure Accessory Kit (P/N: 944203;901) is also supplied with the Q400 EM; a customer wanting to replace the entire Q400 EM Accessory Kit must purchase P/N: 945250.901 and P/N: 945203.902.
945250.901	Upgrade Kit, Q400 to Q400EM (includes Flexure Accessory Kit P/N: 944203.902)

TMA Q400 / Q400EM Replacement Parts

944120.901	Sample Stage
944122.901	Expansion Probe Assembly
944123.901	Macro-Expansion Probe Assembly
944124.901	Dilatometer Probe Assembly
941143.000	Dilatometer Sample Vial
944125.901	Hemispherical Probe Assembly
944126.901	Penetration Probe Assembly
944127.901	Flexure Probe Assembly
945045.901	3-Point Bend Calibration Fixture
941054.000	Platform Flexure
944121.901	Film / Fiber Sample Holder
945051.901	Film / Fiber Probe Assembly
945052.901	Film / Fiber Upper Clamp
945053.901	Film / Fiber Lower Clamp
945054.001	Film Clamp Fixture
944330.901	Film Clamp Screws #0-80 (pkg. of 10)
941038.901	Vial of Cleaved Aluminum Balls (for Film-Fiber Probe)
941148.901	Filling Medium (for Dilatometer Vial)

944341.901 Protective Quartz for Sample Stage (pkg. of 20)

944344.902 Thermocouple, TMA Kit

TMA Q400 / Q400EM / 2940 Calibration Materials

915061.901 Replacement Certified Indium Reference Material

944217.901 Replacement Certified Aluminum Reference Material

944206.901 TMA Certified Temperature and Dimension Calibration Kit

DMA Q800 Accessories

991400.902 Gas Cooling Accessory - Auto Tank Fill (for cooling to -150°C)

984350.901 Air Compressor Accessory (for use with DMA Q800 and DMA 2980 only)

985011.901 Accessory Kit, DMA Q800 (supplied with the DMA Q800)

DMA Q800 Clamp Kits

984048.901 8 mm Single / Dual Cantilever Clamp Kit

984047.901 20 mm Single / Dual Cantilever Clamp Kit

984015.901 35 mm Single / Dual Cantilever Clamp Kit (supplied with DMA Q800 module)

984026.901 3-point Bending Clamp Kit (5, 10, and 15 mm lengths)

984014.901 3-point Bending Clamp Kit (20 and 50 mm lengths)

984018.901 Parallel Plate Compression Clamp Kit (includes 15 and 40 mm plates)

984022.901 Penetration Clamp Kit

985016.901 Film / Fiber Tension Clamp Kit

984023.901 Specialty Fiber Tension Clamp Kit

984017.901 Shear Sandwich Clamp Kit

985178.901 Submersion 3-point Bending Kit (5, 10, and 15 mm lengths) (DMA Q800 only)

985067.901 Submersion Compression Clamp Kit (DMA Q800 only)

985068.901 Submersion Film / Fiber Tension Clamp Kit (DMA Q800 only)

985069.901 3-point Bending Clamp Kit (50 mm, low friction)

985070.901 3-point Bending Clamp Kit (20 mm, low friction)

984486.901 Film Cutting Kit

985164.901 Powder Kit for 35 mm Cantilever Clamp (use with P/N: 984015.901)

DMA Q800 / 2980 Replacement Parts

984003.901	Replacement Furnace
270962.001	Telescoping Gauge (for 10 mm single cantilever clamps)
270962.002	Telescoping Gauge (for 17 mm single cantilever clamps)
985199.901	Control Thermocouple (90 mm length)
985199.902	Sample Thermocouple (130 mm length)
984370.901	Furnace Inlet Ferrule / Spring Kit
270976.002	Filter / Regulator with Auto Drain
270975.001	Filter Replacement, Auto Drain Regulator
985078.001	Dual Cantilever Clamp Screen
985078.002	Film / Fiber Tension Clamp Screen
985052.901	Thermocouple Baffle
984331.901	Film / Fiber Submersion Clamp Calibration Kit

DMA Q800 / 2980 Calibration and Test Materials

900902.901	Indium Temperature Calibration Sample
900907.901	Zinc Temperature Calibration Sample
984310.901	Indium Wire, Film / Fiber Temperature Calibration (pkg. of 10 pieces, 38 mm length)
980228.902	Glass Support Cloth (0.2 mm thick, 33 m length)
982161.902	ABS Sample (3.18 mm thick, 61 mm length, pkg. of 5)
982161.903	ABS Sample (3.18 mm thick, 36 mm length, pkg. of 5)
982165.903	Polycarbonate Sample (1.6 mm thick, 36 mm length, pkg. of 5)
982165.904	Polycarbonate Sample (0.79 mm thick, 36 mm length, pkg. of 5)
984309.901	Polyethylene Terephthalate (PET) Film (38 mm length, pkg. of 10)
984313.901	PET Fiber (910 mm length)
984308.001	DMA Calibration Standard 0.005 inch thick
984308.002	DMA Calibration Standard 0.010 inch thick
984308.003	DMA Calibration Standard 0.020 inch thick
984308.004	DMA Calibration Standard 0.030 inch thick
982166.003	Sample Compliance Dual Cantilever
982166.004	Sample Compliance Single Cantilever

Miscellaneous Q Series Upgrades and Accessories

920247.901 Display Kit Retrofit to QNX

Note: A TA Service installed kit that upgrades a Q Series DSC, TGA, TMA, or DMA module with VRTX module software to the new QNX version. The kit also includes a full VGA module display and the latest Advantage operating and data analysis software with Platinum features, the capability of which is module specific. Installation and basic training is also included. Contact your TA Instruments Field Service Engineer for further information.

Replacement DSC 2920 Cells

Note: Accessory kits and instruction manuals not included.

915201.901 Replacement Standard DSC Cell - 2920

815201.901 Replacement Standard DSC Cell - 2920 - CE Compliant

915201.920 Replacement Standard DSC-RCS Cell - 2920

815201.920 Replacement Standard DSC-RCS Cell - 2920 - CE Compliant

Replacement DSC 2910 Cells

Note: Accessory kits and instruction manuals not included.

900610.905 Replacement Standard DSC Cell - 2910

900610.920 Replacement Standard DSC-RCS Cell - 2910

Replacement DSC 2010 Cell

911306.901 Replacement DSC Cell - 2010

Note: Requires installation by a TA Field Service Engineer.

DSC 2920 / 2910 Accessories

900674.901 DSC Quench Cooling Accessory

Note: 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.

DSC 29XX Replacement Parts

900155.000 Bell Jar for DSC Cells

900681.002 Bell Jar for DSC Cooling Accessory

900719.000 Prefforming Tool, for Hermetic Pans (Beige Press)

900635.000	Silver Lid (Standard Cell)
991123.001	Silver Inner Lid # 1 (RCS Cell)
990687.001	Cell Lid, Silver with Hole #2
990686.002	Lid, Cooling Can, Stainless Steel #2
990686.001	Lid, Aluminum #3
900969.001	Silver Lid (Pressure DSC Cell)

Auto DSC 29XX Replacement Parts

900786.901	Aluminum Pans, Standard (pkg. of 200)
900779.901	Aluminum Lids, Standard (pkg. of 200)
900793.901	Aluminum Pans, Hermetic (pkg. of 200)
900794.901	Aluminum Lids, Hermetic (pkg. of 200)
900867.902	Copper Pans, Auto DSC (pkg. of 200)
990685.001	Auto DSC Sample Pan Lower Die for Sample Press
990687.001	Auto Sampler, Silver Lid (Standard Cell)
991123.003	Auto Sampler, Silver Lid (RCS cell)
990688.901	Sample Tray, Lid
990717.901	Gripper Assembly
990980.901	Sample Tray, Multiposition

DPC 931 / 930 Replacement Part

930001.001	Lamp, DPC, 200 W Hg.
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High Temperature DTA Replacement Parts

900410.901	Pt-Pt/13% Rh Thermocouple Assembly (matched pair) (for 2910 DTA Cell)
917010.901	Pt-Pt/13% Rh Thermocouple Assembly (matched pair) (for 2920 DTA Cell)
900936.001	Alumina Furnace Tube (for 1600°C DTA Cell)
900710.901	Platinum Micro Sample Cups (pkg. of 4)
900713.901	Platinum Macro Sample Cups (pkg. of 4)

900711.901	Platinum Macro Sample Cap Liners (pkg. of 10)
900712.901	Alumina Macro Sample Cup Liners (pkg. of 6)
900906.901	Aluminum Oxide Reference Material

TGA 2950 / 2050 Accessories and Field Upgrades

952431.901	Evolved Gas Furnace (EGA) for TGA 2950 / 2050 <i>Note: Recommended for evolved gas analysis with MS or FTIR. Requires installation by a TA Field Service Engineer.</i>
852352.901	Evolved Gas Furnace (EGA) for TGA 2950 / 2050 - CE Compliant <i>Note: Recommended for evolved gas analysis with MS or FTIR. Requires installation by a TA Field Service Engineer.</i>

TGA 2950 / 2050 Sample Pans

952018.906	Platinum Sample Pans, 100 µL (pkg. of 3)
952018.907	Ceramic Sample Pans, 100 µL (pkg. of 3)
952018.908	Platinum Sample Pans, 50 µL (pkg. of 3)
952018.909	Ceramic Sample Pans, 250 µL (pkg. of 3)
952018.910	Ceramic Sample Pans, 500 µL (pkg. of 3)
952323.902	Aluminum Sample Pans, 100 µL (pkg. of 12)

TGA 2950 / 2050 Replacement Parts

952013.982	Rebuilt TGA 2950 Furnace
952013.980	Damaged Furnace (Exchange Credit)
952040.901	Sample Hangdown Wire
952040.902	Tare Hangdown Wire
952068.901	Sample Thermocouple
952121.001	Work Surface Tray
952011.901	Accessory Kit, TGA 2950
952110.001	Tube, Hangdown Wire
952160.901	Heat Exchanger, TGA 2950
952240.901	Auto TGA 2950 Multiple Sample Tray Kit
952256.901	Kapton Hangdown Loop (strip of 10)
952357.901	Furnace Tube (quartz) / Seals Kit / Instructions for EGA Furnace
952377.901	Conditioning Kit, TGA 2950 / 2050 Heat Exchanger

SDT 2960 Replacement Parts

270198.015	O-Ring, Furnace Tube
960017.901	Dual Beam Thermocouple Kit, SDT 2960
960059.001	Contact Thermocouple Wire

TMA 2940 Accessories

945050.901	Film / Fiber Accessory Kit <i>Note: Consists of film / fiber sample stage, film / fiber probe assembly, vial of cleaved aluminum balls, film clamp fixture, jeweller's screwdriver (2 mm), and ten film clamp screws (#0-80).</i>
944202.901	Dilatometer Accessory Kit <i>Note: Consists of dilatometer probe assembly, three dilatometer sample vials, two vials of filling medium, and a vial of aluminum calibration standard.</i>
944203.902	Flexure Accessory Kit <i>Note: Includes flexure probe assembly and flexure sample platform.</i>

TMA 2940 Replacement Parts

944120.901	Sample Stage
944122.901	Expansion Probe Assembly
944123.901	Macro-expansion Probe Assembly
944124.901	Dilatometer Probe Assembly
941143.000	Dilatometer Sample Vial
944125.901	Hemispherical Probe Assembly
944126.901	Penetration Probe Assembly
944127.901	Flexure Probe Assembly
944121.901	Film / Fiber Sample Holder
945050.902	Film / Fiber Upgrade Kit (Includes Q400 probe, clamps, and clamping fixture)
945052.901	Film / Fiber Upper Clamp
945053.901	Film / Fiber Lower Clamp
944330.901	Film Clamp Screws #0-80 (pkg. of 10)
945054.001	Film Clamp Fixture
941038.901	Vial of Cleaved Aluminum Balls (for Film-Fiber Probe)
941148.901	Filling Medium (for Dilatometer Vial)
944341.901	Protective Quartz for Sample Stage (pkg. of 25)
944344.902	Thermocouple, TMA Kit

DEA 2970 Accessories and Replacement Parts

901315.901	Parallel Plate Ram Kit (range -150 to 500°C) <i>Note: Accessory kit contains a parallel plate ram assembly, 10 bottom parallel plate sensors, 10 top parallel plate sensors, 20 sets of drip pans, 30 spring probes, reference samples, and tweezers.</i>
901316.901	Single Surface Ram Kit (range -150 to 500°C) <i>Note: 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.</i>
901402.901	Sputter Coated (thin film) Accessory Kit (range -150 to 500°C) <i>Note: 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.</i>
901101.901	Dryer Assembly (for drying purge gas)
901382.901	Parallel Plate Sensors (pkg. of 10)
901383.901	Single Surface Sensors (pkg. of 10)
901385.901	Spring Probe Kit (pkg. of 30)
901388.901	Foil Rounds for DEA Drip Pans (pkg. of 20)
901392.901	Foil Rounds with holes for DEA Drip Pans (pkg. of 20)
901403.901	Sputter Coated (thin film) Sensors (pkg. of 10 sets)
901507.901	Single Surface Drip Cover (pkg. of 30)

General Computer Accessories and Software

924500.602	Ethernet Switch
926404.901	Advantage Software (Thermal and Rheology)
925713.001	Software - Advantage Specialty Library
925708.001	Software - 2900 Series Advantage <i>Note: Upgrades 29XX modules, using OS/2 and Thermal Solutions software to latest version of Advantage software. Some 29XX modules may also need a GPIB board upgrade - contact your TA Technical Representative for information and pricing.</i>
925003.901	HP Color Inkjet Printer Model D4160: 120 / 230V; 50 / 60 Hz

Flow Meters / Gas Switching Accessory: (for use with DSC 2920 / 2910 / 2010; TGA 2950 / 2050; SDT 2960; TMA 2940; DEA 2970)

270134.001	Flow Meter <i>Note: For purge gas regulation (14.8 to 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.</i>
270134.002	Dual Flow Meter <i>Note: For purge gas regulation (14.8 to 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.</i>

270134.003 Flow Meter (for use with the DEA 2970) Note: For purge gas regulation (0.16 to 1.7 L/min. air).

992300.901 Gas Switching Accessory - CE Compliant
Note: Automatically switches between two purge gases; manual override included.

Common Thermal Analysis Tools and Accessories

259508.000 Tweezers, Brass

259509.000 Spatula, Stainless Steel

271580.001 Tweezers, Curved

910824.001 DSC Cell Cleaning Brush

Microcalorimetry - TAM Systems

TAM III Calorimeters

320101	Lifting Tool, Nanocalorimeter
320140	Lifting Tool, Nanocalorimeter, for Heat Seal Ampoule
320601	Lifting Tool, Minicalorimeter
320640	Lifting Tool, Minicalorimeter, for Heat Seal Ampoule
3207	Minicalorimeter Dummy

TAM AIR

323906	Lifting Tool, TAM AIR
334601	Lifting Eyelet, HDPE Plastic Ampoules, 20 mL
3346-5	HDPE Plastic Ampoules, 20 mL, with Screw Cap (pkg. of 1000)
3350-2	TAM AIR Start-Up Kit, 20 mL
3455	TAM AIR Admix Ampoule, 20 mL, without motor
3456-1	TAM AIR Admix Ampoule, 20 mL, with motor (115V, 50 / 60Hz)
3456-2	TAM AIR Admix Ampoule, 20 mL, with motor (230V, 50 / 60Hz)
345630	Stirrer, Disposable (pkg. of 50), for Admix Ampoule, 20 mL

Static Ampoules and Consumables: 4 mL Calorimeters

2277-301	Ampoule, Stainless Steel, 4 mL, with Threaded Cap (pkg. of 2)
2277-301.3	Ampoule, Hastelloy, 4 mL, with Threaded Cap (pkg. of 2)
2277-302	Ampoule, Glass, Disposable, Start-Up Kit, 3 mL
24.20.0401	Ampoule, Glass, Disposable, 4 mL (pkg. of 485)
2502-10	Ampoule, Stainless Steel, 1 mL, with Circlip Cap (pkg. of 1)
2502-11	Ampoule, Glass, 1 mL, with Circlip Cap (pkg. of 1)
2502-12	Ampoule, Hastelloy, 1 mL, with Circlip Cap (pkg. of 1)
2502-40	Ampoule, Stainless Steel, 4 mL, with Circlip Cap (pkg. of 1)
2502-41	Ampoule, Glass, 4 mL, with Circlip Cap (pkg. of 1)
2502-42	Ampoule, Hastelloy, 4 mL, with Circlip Cap (pkg. of 1)

2506-41	Ampoule, Glass, Disposable, Start-Up Kit, 4 mL
3320	Ampoule, Hastelloy, 4 mL, with Thread / O-Ring Cap (pkg. of 1)
3320-1	Ampoule, Stainless Steel, 4 mL, with Thread / O-Ring Cap (pkg. of 1)
3323	Ampoule, Glass / Hastelloy, 4 mL, with Hastelloy Circlip Cap (pkg. of 1)
3323-1	Ampoule, Glass / Hastelloy, 4 mL, with Stainless Steel Circlip Cap (pkg. of 1)
3325	Ampoule, Heat Seal, 5 mL (pkg. of 324)
3330-3	Start-Up Kit 4 mL, with 50 Eyelets
3330-4	Start-Up Kit 4 mL, with 12 Eyelets
86.33.0400	Aluminum Caps, Sealing Discs, Glass Ampoules 3 and 4 mL (pkg. of 100)
95.53.1015	Ampoules, Glass, Disposable, 3 mL (pkg. of 100)

Other Consumables and Accessories: 4 mL Calorimeters

2250-420	Ampoule Seal, PTFE, 1 and 4 mL (pkg. of 5) (for Circlip Ampoules)
2252-460	Lifting Eyelet, Ampoule, 1 mL
2277-305	Seal Discs, PTFE, 4 mL, Threaded Cap (pkg. of 100)
3339	Cap, Crimping Tool, Ampoules, 3 and 4 mL
2421-010	Lifting Eyelet, Ampoules, Glass, 4 and 20 mL
2421-020	Centering Tool, 4 mL Disposable Glass Ampoule
2421-060	Lifting Eyelet, Ampoules, Glass, 3 mL
84.25.1201	Circlip, 12 mm (pkg. of 1) (for Circlip Ampoules)
84.39.1001.1	O-Ring, 10.4 x 1.0 mm Nitrile (pkg. of 1) (for Circlip Ampoules)
84.39.1001.2	O-Ring, 10.4 x 1.0 mm EPDM (pkg. of 1) (for Circlip Ampoules)
84.39.1001.3	O-Ring, 10.4 x 1.0 mm Viton (pkg. of 1) (for Circlip Ampoules)
84.39.1001.4	O-Ring, 10.4 x 1.0 mm Kalrez (pkg. of 1) (for Circlip Ampoules)

Static Ampoules and Consumables: 20 mL Calorimeters

2277-309	Ampoule, Stainless Steel, 20 mL, with Threaded Cap (pkg. of 1)
24.60.2001	Ampoules, Disposable Glass, 20 mL (pkg. of 113)
2602-20	Ampoule, Stainless Steel, 20 mL, with Circlip Cap (pkg. of 1)
2602-21	Ampoule, Glass, 20 mL, with Circlip Cap (pkg. of 1)

