

Industrial GC

Thermo Scientific TRACE 1610 Gas Chromatograph

Maximized uptime for results driving operational decisions

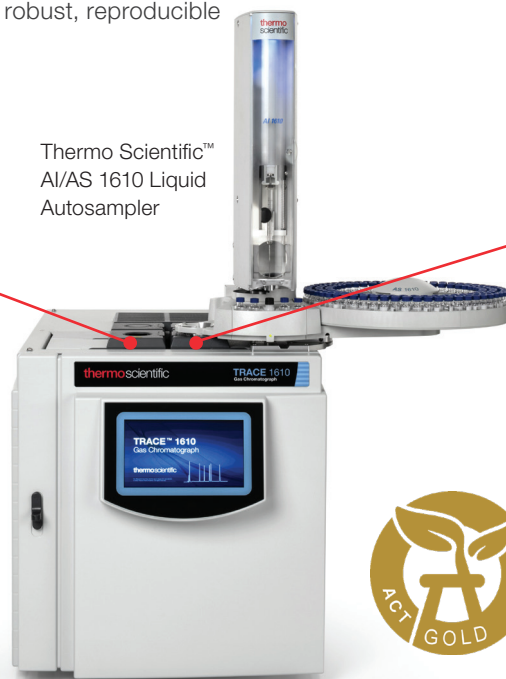
Designed as a dependable workhorse for industrial quality control and method development laboratories, the Thermo Scientific™ TRACE™ 1610 GC configured with Split/Splitless (SSL) inlet and Flame Ionization Detection (FID) delivers robust, reproducible

quantitation of volatile and semi-volatile organic compounds, supporting routine production testing, raw material verification, and regulatory method compliance with confidence.

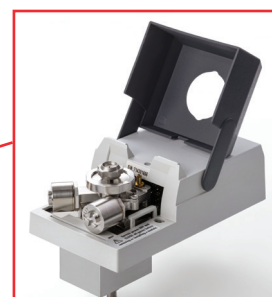


Thermo Scientific™
iConnect™ Flame Ionization
Detector (FID) module

Thermo Scientific™
AI/AS 1610 Liquid
Autosampler



Thermo Scientific™
TRACE™ 1610 Gas
Chromatograph



Thermo Scientific™
iConnect™ Split/Splitless
(SSL) Injector module



Environmental
Performance Factor

65 Certified
July 2025



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TRACE™ 1610 GC bundle features:

Thermo Scientific™ TRACE™ 1610 Pre-configuration

Cat. No.	Type	Description
31903474	TRACE 1610 Mainframe 230V	Unique modular and compact design to maximize operational efficiency and profitability, adapting GC configuration to evolving needs in minutes without special tools or training requirements with a full line of iConnect injector and detector modules. Advanced multi-functional touch screen with instrument health monitoring and how-to videos enhancing workflow experience for both new and expert users. Up to two channels for productivity enhancement. Illuminated oven to facilitate operations. Dimensions: 45 x 44 x 67 cm (17.7 x 17.3 x 26.4 in) (H x W x D)
31903475	iConnect™ Instant Connect Split/Splitless (SSL) Injector module	Suitable for most GC and GC-MS applications. Equipped with an optimized thermal profile to permit accurate injection of a broad range of analytes. Cold injector head exerts minimum septum thermal stress to reduce bleed and extend septa lifetime. Suitable for all capillary columns (50 µm to 530 µm inner diameter) and packed columns with dedicated adapter. Maximum Temperature 400°C
31903476	iConnect™ Instant Connect Flame Ionization Detector (FID) module	Achieve sensitive detection of combustible organic compounds over a wide linear dynamic range. Ideal for hydrocarbons and related organic compound analyses. Flameout detection and automatic re-ignition. Does require hydrogen, zero air, and nitrogen make-up gas sources (cylinders or generators). Minimum Detectable Level (MDL): <1.2 pg C/s; Linear dynamic range: >10E7 (±10%); Maximum temperature: 450 °C; Acquisition Rate: 600 Hz
31903477	AI/AS 1610 Liquid Autosampler with 155 sample tray	Enhance liquid sampling automation for your gas chromatography (GC) applications with simplicity and robustness. Designed to meet the highest reliability and durability requirements with easy self-alignment, it is the best quality-to-price solution for high throughput QA/QC essential testing. Sample capacity 155 vials, extended to 310 vials using the dual-tower Gemini configuration to simultaneously run sample batches in two parallel channels. Fast injection in less than 100 ms to avoid sample discrimination.
31903478	TRACE 1610 Start-up kit	Used at installation
31903482	FID test mix	Used at installation
31908298	Test column TR-5 7m, 0.32mm ID, 0.25 µm film th.	Used at installation
31903481	1-day on-site training	One-day onsite training to provide hands-on system operation guidance, method optimization assistance, and best-practice consultation.
Choose 1 power cord 220v (country specific)		
	1 pack	EU: 31903484 UK: 31903483 DK: 31903485 IT: 31903487



Thermo Scientific™ Chromeleon™ CDS 7.4 Pre-configuration

Cat. No.	Type	Description
31906281	Chromeleon 7.4 license code	Chromeleon CDS Enterprise software licenses, providing integrated instrument control, data acquisition, processing, and compliant-ready reporting.
31903479	Chromeleon SE (single user, instrument license)	

Optional addition to Pre-configuration

Cat. No.	Type	Description
31908733	computer	Dell XE4 w/ 27 inch monitor

Contact your Fisher Scientific representative for further details and to verify if the Pre-configured bundle is available in your region.



Thermo Scientific TRACE 1610 GC
in a dual-channel configuration



The unique modular design offers a full line of interchangeable injector and detector modules for scalability, off-line maintenance and rapid troubleshooting capabilities, elevating efficiency and reducing cost of ownership.

Adding modules, it is easy and quick to build up a dual-channel configuration for up to 310 samples to run in half of the time, boosting productivity and reducing time-to-response.

Optional Thermo Scientific™ consumable starters

Cat. No.	Type	Qty.
Thermo Scientific Capillary Columns		
10659295	TraceGOLD™ GC column TG-5MS 60 m x 0.25 mm x 0.25 µm	1
10584685	TraceGOLD™ GC column TG-5MS 30 m x 0.25 mm x 0.25 µm	1
10554875	TraceGOLD™ GC column TG-1MS 30 m x 0.25 mm x 0.25 µm	1
10477714	TraceGOLD™ GC column TG-WaxMS 30 m x 0.25 mm x 0.25 µm	1
15254523	TraceGOLD™ GC column TG-624SiIMS 30 m x 0.25 mm x 1.40 µm	1
12612745	TRACE™ TR-FAME GC column 100 m x 0.25 mm x 0.20 µm	1
11860473	TraceGOLD™ TG-1MT GC column (metal) 5 m x 0.53 mm x 0.10 µm	1
10035724	TraceGOLD™ TG-5MT GC column (metal) 30 m x 0.25 mm x 0.25 µm	1
10249564	TracePLOT™ TG-BOND Alumina (Na2SO4) GC column 50 m x 0.32 mm x 5 µm	1
10752836	TracePLOT™ TG-BOND Q+ GC column 30 m x 0.32 mm x 10 µm	1
10139384	GuardGOLD™ capillary column 2 m x 0.53 mm ID	1
12612745	GuardGOLD™ capillary column 2 m x 0.32 mm ID	1
Thermo Scientific Capillary Columns Ferrules and Nuts		
10120513	15% Graphite, 85% Vespel ferrules 0.1-0.25 mm ID column	10 pk.
10774827	15% Graphite, 85% Vespel ferrules 0.32 mm ID column	10 pk.
10394473	15% Graphite, 85% Vespel ferrules 0.53 mm ID column	10 pk.
15125256	Stainless Steel Nuts for graphite/vespel ferrules (5 pk)	5 pk.

Optional Thermo Scientific™ consumable starters (continued)

Cat. No.	Type	Qty.
Thermo Scientific iConnect SSL injector Liners and Seal		
10415923	LinerGOLD™ Straight Liner 4 mm ID for Split injection with Quartz wool	5 pk.
10253753	LinerGOLD™ Single Taper 4 mm ID for Splitless focus liner injection with Quartz wool	5 pk.
10545435	LinerGOLD™ Single Taper 4 mm ID for Splitless focus liner with single taper injection w/o Quartz wool	5 pk.
15408000	LinerGOLD™ Precision Liner 4 mm ID for split injection w Quartz wool	5 pk.
15398384	Sealing ring for SSL injector liners	10 pk.
Thermo Scientific iConnect SSL injector Septa		
15340431	BTO septa - Low bleed at high T - max T 400°C	50 pk.
15320441	TR-green septa - Low coring - max T 350°C	50 pk.
Thermo Scientific Gas Filter		
10213183	Click-On™ Inline Carrier gas triple filter for moisture, oxygen, hydrocarbons	1
10342825	Click-On™ Inline FID gases (H ₂ , air, makeup) combi moisture/hydrocarbon filter	1
10766334	Click-On™ steel end fitting 0.125 in. (1/8") for Click-On inline filter	2 pk.
Thermo Scientific AI/AS 1610 Liquid Autosampler Syringes		
10374653	10 µL fixed needle syringe, 25 Gauge, cone tip	1
10029192	10 µL fixed needle syringe, 26 Gauge, cone tip	6 pk.
10515995	10 µL fixed needle Gas Tight syringe, 26 Gauge, cone tip	6 pk.
10512265	5 µL fixed syringe, 26 Gauge, cone tip	1
Thermo Scientific AI/AS 1610 Liquid Autosampler Vials and Caps		
17313823	SureSTART™ Specification Certified kit: 2 mL clear screw glass vial (9 mm short thread) with Thermo Scientific™ SureStop™ technology and write-on patch, and blue screw cap (9 mm) (PP: white silicone/red PTFE septa: 1 mm thickness) with AVCS technology, Level 2	100 pk.
17393813	SureSTART™ EPA Certified kit: screw val 4 mL clear glass and (13 mm) white cap white Polyethylene foam/white PTFE septa, Level 2	100 pk.
17333793	SureSTART™ 2 mL glass crimp top vials, Level 2	100 pk.
17353773	SureSTART™ 11 mm crimp silver aluminum caps, red silicone/clear PTFE, 60 Shore, Level 2	100 pk.
Thermo Scientific Accessories		
10438494	GLD Pro Gas Leak Detector	1
10744186	GFM Pro Gas Flowmeter	1

Find more information about our consumables at
eu.fishersci.com/go/chroma-column-selectionguide

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