



CLARITY – LIST OF CURRENTLY CONTROLLED INSTRUMENTS (version 2.8)

GCs (p/n A23)

	Producer	Name	Interface	Status
	Agilent	4890D, 5890 II, 5890A, 6820, 6890	RS232	Ready
	Agilent	6850, 6850 II, 6890 Plus, 6890N	RS232, LAN	Ready
New	CSI ^{/13}	300 Series	RS232	Ready
	Dani	GC1000	RS232	Ready
	Dani ^{/1}	GC Master	RS232	Ready
	Shimadzu	GC17A, GC14C	RS232, OPT-USB	Ready
	Shimadzu	GC2014C, GC2014 ^{/2} , GC2010 ^{/2}	RS232	Testing
	YoungLin ^{/3}	YL6100	RS232	Ready

HPLC Systems

	Producer	Name	Interface	Status
	Agilent	1100 system	GPIB, LAN	Ready
	Agilent	1200 system (<i>selected modules only</i>)	LAN	Ready
	Knauer ^{/4}	Smartline	RS232	Ready
New	Merck - Hitachi ^{/14}	LaChrom Elite	USB ^{/11}	Ready
	Shimadzu ^{/14}	LC-10, LC-20 Prominence	RS232 or LAN + corresp. controller (see HPLC Other) ^{/5}	Ready
	YoungLin ^{/3}	YL9100	LAN/RS232	Ready

HPLC Detectors (p/n A24)

	Producer	Name	Interface	Status
	Agilent	1100: DAD, MWD, VWD, RID, FLD	GPIB, LAN	Ready
	Agilent	1200: DAD ^{/6} , MWD ^{/6} , VWD, RID, FLD (<i>selected modules only</i>)	LAN	Ready
	Analytical Technologies	ASPD2600	RS232	Ready
New	Antec	DECADE II, DECADE II SDC, DECADE II MD, ROXY Potentiostat	RS232	Ready
	Duratec ^{/7}	DDT-3200 PDA	USB	Ready
	Ecom	Sapphire, Topaz	RS232	Ready
	Knauer ^{/4}	Smartline S2800 PDA, S2600 MWD, S2500 VWD, S2550 VWD, S2510, S2300 RID, S2400 RID, S200 UV; K-2600, K-2700, K-2800, WellChrom RI (K-2300, K-2301, K-2400, K-2401), WellChrom UV (K-2000, K-2001, K-2500, K-2501)	RS232	Ready
New	Merck - Hitachi	L-2400	USB ^{/11}	Ready
	Shimadzu	SPD-10A, SPD-10Ai, SPD-10Avp, SPD-10AV, SPD-10AVi, SPD-10AVvp, SPD-20A, SPD-20AV, RID-10A, RF-10A, RF-10AxI, SPD-M10Avp, SPD-M20A	Shimadzu controller (see HPLC Other) ^{/5}	Ready
	Shimadzu ^{/4}	RF-10AxI	RS232	Ready
	Softa	200S, 300S, 400, 1300, 1400	RS232	Ready
	Sykam	S3210, S3240	RS232	Testing
	YoungLin ^{/3}	YL9120, YL9160	LAN	Ready
	YoungLin ^{/3}	YL9170, YL9180	RS232	Ready

HPLC Pumps (p/n A24)

	Producer	Name	Interface	Status
	Agilent	1100: Binary, quaternary, isocratic	GPIB, LAN	Ready
	Agilent	1200: Binary, quaternary, isocratic	LAN	Ready
	Alltech/Grace	301, 426, 626, 726	RS232 - LC UNI	Ready
	Analytical Technologies	ALC2010, ALC2100, COLUMN-WASH	RS232 - LC UNI	Ready
	Antec	LC100, LC110 ^{/4}	RS232	Ready
	Beckman/Altex	110A, 110B, 114	CB20	Ready
	Bio-Rad	1350	CB20	Ready
	Bischoff	2250	RS232	Ready
	Chrom Tech	ISO-100, ISO-1000, ISO-1500, ISO-2000	RS232	Ready
New	Chromophor	Chromophor 2010	RS232 - LC UNI	Testing
	Chromsystems	CLC 300	CB20	Ready
	Chromsystems	CLC 330	RS232	Ready
	Ecom	LCP 4020, LCP 4000	CB20	Ready
	Ecom	LCP 4100, Alpha10, Alpha 50, Alpha 100, Beta 10, Beta 50, Kappa 10	RS232 - LC UNI	Ready
	Flom	301M	RS232 - LC UNI	Ready
	Flux - Thermo ^{/8}	Rheos 2000, Rheos 2200, Allegro	RS232	Ready
	Gilson	302-303, 305-307	GSIOC	Ready
	Gynkotech	M300CS, M480	CB20	Ready
	JASCO	PU-880	CB20	Ready
	Knauer	M64, K-501, K-500	CB20	Ready
	Knauer	Smartline S1000	RS232 - LC UNI	Ready
	Knauer ^{/4}	Smartline S1000, S100, K-1000, K-1001, K-120, K-501, K-1800	RS232	Ready
	Kontron	420, 422	RS232 - LC UNI	Ready
	Kontron	320, 322, 325	RS232 - LC UNI	Testing
	Lab Alliance	222D	CB20	Ready
	Lab Alliance	Series III, 1500, 150	CB20, RS232- LC UNI	Ready
	Lab Alliance	Series II, I, Q-Grad, Prep 100	RS232 - LC UNI	Ready
	LKB - Amersham	LKB 3500, P-500	CB20	Ready
New	Merck - Hitachi	L-2100, L-2130	USB ^{/11}	Ready
New	Merck - Hitachi	L-6200, L-6210	RS232	Ready
	Merck - Hitachi	L-6000	via L-6200	Ready
	Shimadzu	LC-6A	CB20	Ready
	Shimadzu	LC-10AD, LC-10ADvp, LC-10Ai, LC-10AT, LC-10ATvp, LC-10AS, LC-20AD, LC-20AB, LC-20AT, LC-20ADXR, LC-8A, LC-6AD	Shimadzu controller (see HPLC Other) ^{/5}	Ready
	Shimadzu	LC-10ADvp, LC10-ATvp; LC-20A series (in LC-10 emulation mode only)	OPT-USB	Testing
	Sykam	S1021, S1122, S1521	CB20	Ready
	Sykam	S2100	RS232	Ready
	Teledyne ISCO	2300	CB20	Ready
	TSP	Constametric 300	CB20	Ready
	Unicam	PU 4015	CB20	Ready
	Waters	M 45, 501, 510, 515	CB20	Ready
	Watrex	DeltaChrom SDS20, SDS30	RS232 – LC UNI	Ready
	YoungLin ^{/3}	YL9110, YL9111, YL9112	LAN	Ready
		Any pump with flow controlled by voltage or frequency	CB20	Ready
		Any pump with on-line flow controlled by text (ASCII) comm. protocol	RS232 – LC UNI	Ready

HPLC Column Ovens (p/n A24)

	Producer	Name	Interface	Status
	Agilent	1100 TCC	GPIB, LAN	Ready
	Agilent	1200 TCC	LAN	Ready
	Cluzeau Info-Labo	Croco-CIL, Gecko-2000, Igloo-CIL	RS232 – UNI RUBY	Testing
	Ecom	LCO 102	RS232 – UNI RUBY	Ready
	Knauer ^{/4}	Smartline S4000, S4050, JetStream	RS232	Ready
	Lab Alliance	605 COC	RS232 – UNI RUBY	Ready
New	Merck - Hitachi	L-2300	USB ^{/11}	Ready
	Shimadzu	CTO-10A, CTO-10Avp, CTO-10AC, CTO-10ACvp, CTO-10ASvp, CTO-20A , CTO-20AC	Shimadzu controller (see HPLC Other) ^{/5}	Ready
	Techlab	K-7	RS232 – UNI RUBY	Ready
	Watrex	CTC 100	RS232 – UNI RUBY	Ready
	YoungLin ^{/3}	YL9130	LAN	Ready

HPLC Other (p/n A24)

	Producer	Type	Name	Interface	Status
	Knauer ^{/4}	interface	I-Box, IF2, Smartline Manager 5000	RS232	Ready
	Shimadzu	controller	SCL-10Avp, CBM-20A, CBM-20Alite	RS232 or LAN	Ready

Autosamplers (p/n A26)

	Producer	Name	Interface	Status
	Alltech/Grace	570, 580	RS232	Ready
	Agilent	7673, 7673 II	RS232	Ready
	Agilent	7683	through GC6890	Ready
	Agilent	1100 ALS, TAS	GPIB, LAN	Ready
	Agilent	1200 ALS, TAS	LAN	Ready
	Analytical Technologies	AS2000	RS232	Ready
	Antec Leyden	Alexys AS 100, Alexys AS 110 ^{/4}	RS232	Ready
	Chromsystems	CLC 200	RS232	Ready
	CTC Analytics	A200S, PAL (GC, LC, Combi)	RS232	Ready
	Dani	ALS1000, Master AS	RS232	Ready
	ESA	542	RS232	Ready
	HTA	300A, 300L, 310A, 310L, 300LV, 200H, 250D, 280T (without SPME)	RS232	Ready
New	HTA ^{/12}	800L	RS232	Ready
	Knauer	Smartline AS 3800, AS 3900, AS 3950 ^{/4}	RS232	Ready
New	Merck - Hitachi	L-2200	USB ^{/11}	Ready
	Shimadzu	AOC-20i, AOC-20s, AOC-20d	RS232	Ready
	Shimadzu	SIL-10ADvp, SIL-10AF, SIL-HTA, SIL-HTC, SIL-20A, SIL-20AC, SIL-10AXL, SIL-20AXR, SIL-20ACXR	Shimadzu controller (see HPLC Other) ^{/5}	Ready
	Spark Holland	Basic Marathon (Plus, XT), Midas, Endurance, Triathlon, Alias ^{/4}	RS232	Ready
	Sykam	S5200	RS232	Ready
	YoungLin ^{/4}	Acme 9000 AS	RS232	Ready

Fraction collectors (p/n A24)

Producer	Name	Interface	Status
Büchi ^{/4,9}	C-660		Ready
Knauer ^{/4,9}	S3000		Ready
Teledyne ISCO ^{/4,9}	FOXY 200, FOXY Jr.		Ready
	Any fraction collector using the Next and Collect/Waste events	Clarity-controlled device with 2 TTL outputs (INT7, etc.) + FC GP	Ready

Valves (p/n A24 or A23)

Producer	Name	Interface	Status
Knauer ^{/4}	K-6, K-12, K-16	RS232	Ready
Rheodyne	MX series II Valves	USB	Ready
Upchurch	V-2500	RS232	Ready
Vici-VALCO	ET, EH, EP, EMH, EMT, ECMH, ECMT	RS232	Ready

Amino Acid Analyzers

Producer	Name	Interface	Status
Sykam ^{/10}	S4300 Amino Acid Reaction Module System	RS232	Ready

Balances for Clarity EA Extension (p/n A30)

Producer	Name	Interface	Status
Mettler Toledo	Balances AT, MT, UMT	RS232	Ready
Sartorius	Balance M2P, CP, GC and GP models	RS232	Ready

Interface types:

- RS232 = Serial communication. Specify the type of the cable or instrument.
- LAN = Network communication. Specify the type of the cable or instrument.
- USB = USB communication. Specify the type of the cable or instrument.
- GPIB = hardware: Interface card for older Agilent 1100 system, Part No.: IAG11 (PCI interface) or IAG12 (USB interface)
- GSIOC = hardware: Converter for Gilson serial communication, Part No.: IGLN1
- CB20 = hardware: Internal (PCI) LC Control card (4x D/A & 4x D/F converter), Part No.: A27
- OPT-USB = hardware: Optical to USB converter, Part No.: OPT01
- LC UNI = software: Universal LC control module for online pumps, Part No.: A24
- FC GP = software: General Purpose Fraction Collector control module for Clarity, Part No.: A24
- UNI RUBY = software: Universal control module for various instruments, Part No.: A24

Status:

- Ready = the module has been subject to extensive testing and has been officially RELEASED.
- Testing = the module is already functional and its development is in stage of external testing often called public BETA. It is possible to get this control module and help us with fine tuning the driver for your specific configuration.

Notes:

1. Available from Dani company only.
2. AFC and APC not supported.
3. Developed by YoungLin company.
4. Developed by Knauer company.
5. SCL-10AVP, CBM-20A, CBM-20ALite controllers only.
6. The G1315A, G1315B, G1365A, G1365B sub-types only.
7. Available from Duratec company only.
8. Developed by Flux - Thermo Fisher Scientific company.
9. Available from Knauer company only (in the ClarityChromPrep OEM version).
10. Available from Sykam company only (in the ClarityAmino OEM version).
11. One module in the LaChrom Elite system must have Interface Card installed.
12. Developed by HTA company.
13. Developed by CSI company.
14. Only limited number of these systems on one Clarity is possible - see appropriate manual or product page