



CLARITY – LIST OF CURRENTLY CONTROLLED INSTRUMENTS

HPLC Systems

Producer	Name	Interface	Status
Agilent	1100 system including DAD	GPIB, LAN	Ready
Agilent	1200 system (in 1100 emulation mode only)	LAN	Testing
Knauer *	Smartline 1000 system	RS232	Ready
Shimadzu	LC-10 (including PDA), LC-20 Prominence	RS232 or LAN + corresp. controller**	Testing

* Developed by Knauer company

** SCL-10AVP, CBM-20A (Lite) controllers only

HPLC Components (p/n A24)

Producer	Type	Name	Interface	Status
Agilent	detector	1100: DAD***, MWD***, VWD, RID, FLD	GPIB, LAN	Ready
Agilent	detector	1200: DAD***, MWD***, VWD, RID, FLD (in 1100 emulation mode only)	LAN	Testing
Agilent	pump	1100: Binary, quaternary, isocratic	GPIB, LAN	Ready
Agilent	pump	1200: Binary, quaternary, isocratic (in 1100 emulation mode only)	LAN	Testing
Agilent	column oven	1100 TCC	GPIB, LAN	Ready
Agilent	column oven	1200 TCC	LAN	Testing
Alltech/Grace	pump	301, 426, 626, 726	RS232 - LC UNI	Ready
New Antec Leyden	pump	LC100	RS232	Ready
New Antec Leyden	detector	DECADE II, DECADE II SDC	RS232	Ready
Beckman/Altex	pump	110A, 110B, 114	CB20	Ready
New Bischoff	pump	2250	RS232	Ready
Bio-Rad	pump	1350	CB20	Ready
New Cluzeau Info-Labo CIL	colum oven	Gecko-2000	RS232 - UNI RUBY	Testing
Duratec **	detector	DDT-3200 PDA	USB	Ready
Ecom	pump	LCP 4020, LCP 4000	CB20	Ready
Ecom	pump	LCP 4100, Alpha10, Alpha 50, Alpha 100, Beta10, Beta 50	RS232 - LC UNI	Ready
Ecom	detector	Sapphire, Topaz	RS232	Ready
New Ecom	column oven	LCO 102	RS232 - UNI RUBY	Testing
Flom	pump	301M	RS232 - LC UNI	Ready
New Flux - Thermo Fisher ‡	pump	Rheos 2000, Rheos 2200, Allegro	RS232	Ready
Gilson	pump	302-307	GSIOC	Ready
Gynkotech	pump	M300CS, M480	CB20	Ready
Chrom Tech	pump	ISO-100, ISO-1000, ISO-2000, ISO-1500	RS232	Ready
Knauer	pump	M64, K-501, K-500	CB20	Ready
Knauer	pump	Smartline S1000	RS232 - LC UNI	Ready
Knauer *	detector	Smartline S2800 PDA, S2600 MWD, S2500 VWD, S2510, S2300 RID, S2400 RID, 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), UV 200	RS232	Ready
Knauer *	pump	Smartline S1000, S100, K-1000, K-1001, K-120, K-501, K-1800, S5000	RS232	Ready
Knauer *	interface	IF2, I-Box	RS232	Ready
Knauer *	column oven	Smartline S4000, JetStream	RS232	Ready
Kontron	pump	420, 422, 32x	RS232 - LC UNI	Testing

	LabAlliance	pump	222D	CB20	Ready
	Lab Alliance	pump	Series III, 1500, 150	CB20, RS232- LC UNI	Ready
	Lab Alliance	pump	Series II,I, Q-Grad	RS232 - LC UNI	Ready
	LKB - Amersham Pharmacia Biotech	pump	LKB 3500	CB20	Ready
New	Omniseparo	column oven	OSTJ-B	RS232 - UNI RUBY	Testing
	Shimadzu	pump	LC-6A	CB20	Ready
	Shimadzu	pump	LC-10ADvp, LC10-ATvp, and LC-20A series (in LC-10 emulation mode only)	OPT-USB	Testing
	Shimadzu	pump	LC-6AD, LC-8A, LC-10A series, LC-20A series (i.e. - D, S, T, i, VP modification)	Shimadzu controller (see below)	Testing
	Shimadzu	column oven	CTO-10A series, CTO-20A series (i.e. - C, S, VP modification)	Shimadzu controller (see below)	Testing
	Shimadzu	detector	SPD-10A series, SPD-20A series, (i.e. - i, VP modification), SPD-M10AVP, RID-10A , RF-10A, RF-10AxI	Shimadzu controller (see below)	Testing
	Shimadzu	controller	SCL-10AVP, CBM-20A (Lite)	RS232 or LAN	Testing
	Sykam	pump	S1021, S1122, S1521	CB20	Ready
New	Sykam	pump	S2100	RS232	Ready
New	Sykam	detector	S3210, S3240	RS232	Testing
New	Techlab	column oven	K-7	RS232 - UNI RUBY	Testing
	Unicam	pump	PU 4015	CB20	Ready
	Waters	pump	M 45, 501, 510, 515	CB20	Ready
	Watrex	pump	DeltaChrom SDS30, SDS20	RS232 - LC UNI	Ready
		pump	Any pump with flow controlled by voltage or frequency	CB20	Ready
		pump	Any pump with on-line flow controlled by text (ASCII) comm. protocol	RS232 - LC UNI	Ready

* Developed by Knauer company ** Available from Duratec company only

*** The G1315A, G1315B, G1365A, G1365B sub-types only.

‡ Developed by Flux - Thermo Fisher Scientific company

GCs (p/n A23)

	Producer	Name	Interface	Status
	Agilent	5890 II, 5890A, 4890D	RS232	Ready
	Agilent	6890, 6820	RS232	Ready
	Agilent	6890N, 6850	RS232, LAN	Ready
	Dani	GC1000	RS232	Ready
New	Dani *	GC Master	RS232	Ready
	Shimadzu	GC17A, GC14C	RS232, OPT-USB	Ready
New	Shimadzu	GC2014C	RS232	Testing

*Available from Dani company only

Autosamplers (p/n A26)

	Producer	Name	Interface	Status
	Alltech/Grace	570, 580	RS232	Ready
	Agilent	7673 II, 7673A	RS232	Ready
	Agilent	7683A	through GC6890	Ready
	Agilent	1100 AS, thermostatted AS	GPIO, LAN	Ready
	Agilent	1200 AS: (in 1100 emulation mode only)	LAN	Testing
	CTC Analytics	A200S	RS232	Ready
	CTC Analytics	PAL (GC, LC, Combi)	RS232	Ready
	Dani	ALS1000	RS232	Ready

	ESA	542	RS232	Ready
	HTA	300A, 300L, 310A, 300LV, 200H, 250D	RS232	Ready
	HTA	280T (without SPME)	RS232	Ready
	Knauer *	Smartline AS 3800, AS 3900, AS 3950	RS232	Ready
	Shimadzu	AOC20i	RS232	Ready
	Shimadzu	SIL-10ADPV, SIL-HTC, SIL-HTA, SIL-20A, SIL-20AC	Shimadzu controller (see HPLC Components section)	Testing
	Spark Holland	Basic Marathon (Plus, XT) , Midas	RS232	Ready
	Spark Holland	Endurance, Triathlon	RS232	Ready
	Spark Holland *	Alias	RS232	Ready
New	Sykam	S5200	RS232	Ready

* Developed by Knauer company

Fraction collectors (p/n A24)

Producer	Name	Interface	Status
	Any fraction collector using the Next and Collect/Waste events	Any device with 2 TTL outputs (INT7, etc.) + FC GP	Ready

Valves (p/n A24 or A23)

Producer	Name	Interface	Status
	Knauer *	Knauer Switching Valves	RS232
New	Rheodyne	MX series II Valves	USB
	Upchurch	V-2500	RS232
	Vici-VALCO	Multiposition Microelectric Valve Actuator, Two Position Microelectric Valve Actuator	RS232

* Developed by Knauer company

Amino Acid Analyzers

Producer	Name	Interface	Status
New	Sykam *	S4300 Amino Acid Reaction Module System	RS232

* Available from Sykam company only

Balances for Clarity EA (p/n A30)

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

Notes:

- CB20 = hardware: LC Control card (4x D/A & 4x D/F converter), internal PCI supplied by DataApex – Part No.: A27
 OPT-USB = hardware: Optical to USB adaptor supplied by DataApex – Part No.: OPT01
 LC UNI = software: Universal LC control module for online pumps. Supplied by DataApex – Part No.: A24
 FC GP = software: General Purpose Fraction Collector control module for Clarity. Supplied by DataApex – Part No.: A24
 UNI RUBY= software: Universal control module for various instruments. Supplied by DataApex – 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.