

ePAT Hardware Compatibility List

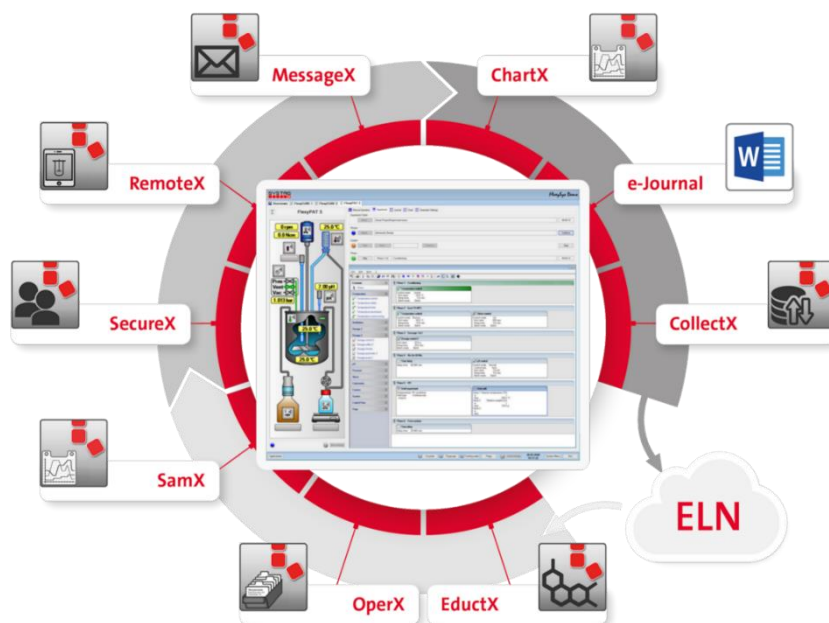


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Analog Signal Interface

ePAT UVM

Interface SYSTAG	Lab device interface
RTD	
4x PT-100	3- or 4 wire PT100 sensor
Analog Input (8x UNIV)	
0...10VDC	0..2, 5, 10 V
4..20 mA passive	4..20 mA output "power source"
4..20 mA active	4..20 mA output "power sink"
Analog Output (8x UNIV)	Load must not exceed 25 mA
0...10VDC	0...10VDC
4..20 mA	4..20 mA
Digital Output (8x UNIV)	Load must not exceed 2A
24VDC power source	24VDC on/off
24VDC output normally open	Pulse-width modulation input
24VDC output normally closed	Pulse-width modulation input
Digital Input (8x UNIV)	
24VDC	Potential free contact
Potential free contact	24VDC Output

Analog Pumps

Supplier / Model	Remarks
Prominent (membrane pumps)	
Gamma/L	Signal 4 – 20mA
Gamma/X	Signal 4 – 20mA
BT4b	Attention! The pump will be delivered without analogue interface unless specifically ordered otherwise
Masterflex (peristaltic pump)	
07523-80	
07523-90	
07551-00	Signal 4 – 20mA
07551-10	
07575-10	

Serial Interface / Drivers

Stirrer Interface RS232

Supplier / Model	Remarks
SYSTAG	
SysSTIR-20	
IKA	
Power control Visc	
Eurostar Control 60, 100, 200, 200P4	
Heidolph	
RZR 2051	
RZR 2052	
RZR 2102	With range switching
Hei-Torque Ultimate / Precision 100, 200, 400	With range switching Attention! Hei-Torque Precision models are also available with USB interface. They can't be used with FlexySys. Only RS232 is supported.
CAT	
R 20D-PC	
R 100 (C, CL, CT)	

Thermostat Interface RS232

Supplier / Model	Remarks
Huber	
Unistat controller (KeyPad)	Huber Firmware 3.8 or better
Unistat Nuevo (New Keypad with touchscreen)	
All models with cc3 controller	Only RS-232 Interface supported
All models with PilotOne controller	RS232 interface required
All models with MPC controller	
Julabo	
Presto series	
Julabo FP xx	
Julabo LC4	
Julabo LC6	
<u>Recirculating coolers</u>	
FL-Series	
<u>Refrigerated/Heating circulators</u>	

ePAT Hardware Compatibility List

TopTech Series	
HughTech Series	
DYNEO series	
Lauda	
XT Series	
Proline	

Balance Interface RS232

Supplier / Model	Remarks
Mettler	
XSR (USB)	XSR needs USB to RS232 Adapter
PM, SG, PB-S, PL-S, ME, MS-S, ML-T, XP-S	SG Series -> No taring possible
All models with MT-SICS command interface	Attention! With some models of Mettler balances it is not possible to turn off automatic calibration. This balance models are not suitable for FlexySys
Sartorius	
All models with RS232 interface	
Entris I + II/ CUBIS I + II with USB/RS232 adapter (Entris II BCA currently not supported)	Attention! Sartorius Entris models do not support screenlock -> tare during dosage technically possible.
Combics / IS EEx weighing platforms	
Precisa	
Model LT, LS, LX	Attention! Precisa models do not support screenlock -> tare during dosage technically possible. Sartorius emulator firmware is required
Kern	
PCB 6000-1	Requires RS232 adapter provided by Kern (KUP-01)

Vacuum pump RS232

Supplier / Model	FlexySys	Remarks
Vacuubrand		
CVC 2000 controller	R2.1c	
CVC 3000 controller	R2.1c	
Vacuu-Select controller	R3.2a	RS232-Adapter with FTDI chipset required (at least Firmware V1.06xx)
DCP 300 vacuum gauge	R3.1	

PAT (Process Analytic Tool)

Supplier / Model	FlexySys	Remarks
Blazemetric		
Via OPC-Interface	R3.1	