

Datacolor AutoLab SPS/SPS-X

Solution Preparation Systems

Installation Requirements

30th May 2011
Rev 9.0

Document revision update log

Revision 3

Amended dimensions in table

Amended diagrams with corrected dimensions

Revision 4

Added PC requirements for SPS

Rev 5

Changed diagrams

Rev 6

Addition of more info re PC requirements if customer supplies their own

Rev 7

Amended to keep revision numbers same as TF installation requirement document

Computer memory minimum requirement amended

Rev 8

Dims of packed SPS/SPS-X changed

Rev 9

Updated PC Requirements to accommodate new V2.X software

Updated power requirements

Datacolor AutoLab SPS

Services Requirements

Dimensions

	AutoLab SPS	AutoLab SPS-X
Dimensions Width (mm)unpacked	600	600
Dimensions Depth (mm)unpacked	630	630
Dimensions Height (mm)unpacked	1000	1000
Weight (kg) unpacked	100 kg	100 kg
Dimensions Width (mm) packed	830	920
Dimensions Depth (mm) packed	1240	1540
Dimensions Height (mm)packed	1250	1250
Weight (kg) packed	190 kg	190 kg

Environment

The unit environment should be as follow:

- Room temperature should be stable within the limits of 18 to 26 degrees centigrade.
- Humidity should be within the range 40% to 80% RH.
- The unit should be installed in a relatively dust-free area, out of direct line of any air-conditioning airflow
- System should be positioned on a bench top with vibration free environment.

Power

Product Name	AutoLab SPS	AutoLab SPS-X
Power Wattage	2.5 KVA	2.5 KVA

Power 220 V, +/- 10 %, 50/60 Hz. Single phase, 3 wire (live, earth and neutral). **2.5 kW**.

If the mains power line is prone to interruptions and failures a UPS should be installed.

Also if the mains source is not clean then a mains voltage regulator should be installed.

A separate fuse circuit with isolator for the solution maker should be provided.

Sockets for the computer and printer are required.

Water Supply

Mains Water pressure - 1 to 2 kg/cm² (13-26 psi)

A water filter is supplied with the system, which should be connected in-line to the water inlet of the system.

If the water pressure is substantially higher than 2 kg/cm², a water pressure regulator MUST be fitted in line before connecting to the water filter. The water filter is only rated for water pressures as stated above. If the water is supplied at a higher pressure, it may cause the water filter to break.

The mains water inlet should be connected to the inlet of the supplied water filter, which has a 1/2" connector, using a water pipe with inner diameter of 1/2". (1/2" is equivalent to approx 12.5mm).

The outlet of the water filter has a 1/2" diameter water pipe connection, which should be connected to the 1/2" water inlet connector on the back of the SPS system, using a length of water pipe with 1/2" inner diameter. This water pipe is supplied with the system.

Jubilee clips are supplied to fix the water pipes to the connectors.

If the water contains a large amount of algae, dirt etc. a pre-filter should be added in addition to the water filter supplied (5 micron). If water is highly aerated, then a de-aeration unit should be installed.

Drain

Water drain has a 3/4" connector. A drain pipe of 3/4" inner diameter should be used to connect from the drain outlet on the back of the SPS system to the main drain in the laboratory. Jubilee clips are supplied to fix the drain pipe.

PC requirements for AutoLab systems

If PCs are to be purchased locally or supplied by the customer, the following is the minimum specification of PC required:

Intel(R) Celeron(R) processor 450 [2.2GHz, 512KB L2, 800MHz FSB]
2GB DDR3-800MHz SDRAM [1 DIMM]
17" colour monitor
40 GB Hard Drive
52X CD-ROM drive
Network card
Windows XP /SP3(must) , 32/64 bits
Windows 7 (32/64 Bits)
English PS/2 Keyboard
Mouse

1 RS232 Com ports required for PC for TF dispenser and SPS solution maker.

**If fabric weigh scale is required to connect to TF dispenser PC, then this PC requires 2 RS232 COM ports, instead of 1.
No spare PCI or ISA slots required**

PCs should also include network card/connectors and necessary cabling etc, to allow PCs to be networked together

Connection of dispensers and solution makers to PCs.

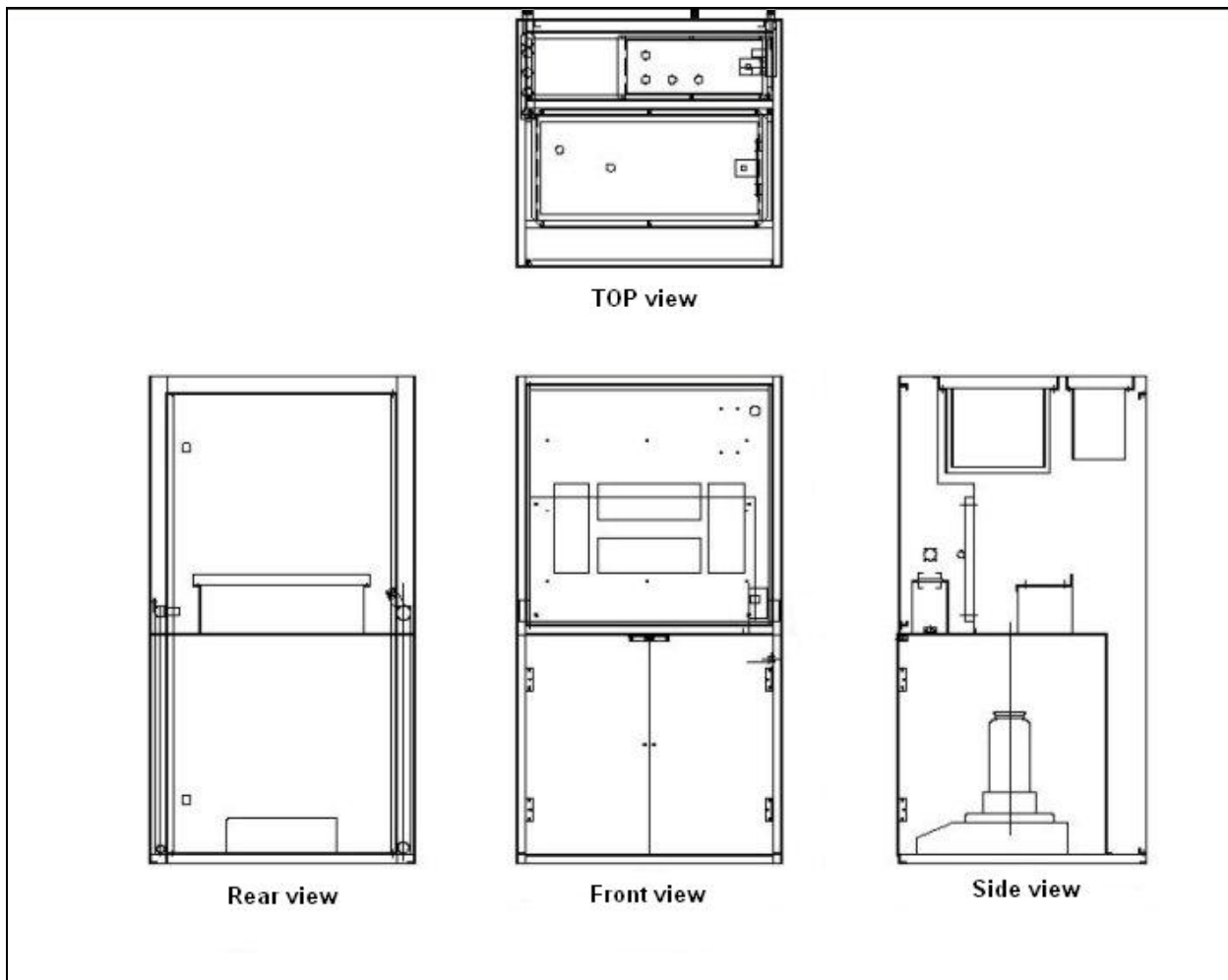
One PC controls each AutoLab TF dispenser and SPS solution maker.

An RS-485 cable running between the PC and SPS is supplied with each system.

Standard length of cable is shown below:

Model	Standard cable length
AutoLab SPS all models	10 m

Line drawing for AutoLab SPS/SPS-X



Connector position for AutoLab SPS/SPS-X

