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Spectrum One Pre-Installation Requirements

Electrical requirements

The Spectrum One can operate on electricity supplies of 50 or 60 Hz and on voltage ranges of either 100 to 120 V or 220 to 240 V.

The nominal power consumption of the Spectrum One is 120 VA.

The line supply must be within 10% of the nominal voltage.

If possible, do not connect the Spectrum One to circuits that have heavy duty equipment, such as large motors, connected.

If possible, do not use photocopiers, discharge lamps, radio transmitters, and other equipment with large or frequent transient loads on the same supply circuit.

The primary fuse (2A Time Lag) is in the drawer on the rear of the instrument next to the mains inlet: the spare fuse is in the same drawer. The primary fuse is connected in the live line.

Environment

To obtain the best performance from your Spectrum One:

- Place the Spectrum One in an environment that is relatively dust-free.
- Make sure that the benchtop is free from vibrations or mechanical shocks.
- Do not place the Spectrum One or the PC near to room heating equipment, for example, central-heating radiators.
- Do not position the Spectrum One in direct sunlight because this may cause overheating.
- Leave at least 7 cm (3 inches) from any vertical obstacle to the sides of the Spectrum One, to permit an adequate flow of cooling air.
- Make sure that there are no overhanging shelves, and no water pipes or faucets that could leak onto the Spectrum One.
- The area near the PC must be free of strong magnetic fields, direct sunlight, and heating or cooling units or ducts.

The Spectrum One has been designed for indoor use and operates correctly under the following conditions:

Ambient temperature 15 °C to 35 °C

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Ambient relative humidity 75% maximum (non-condensing)

Opening the shipping container

Your Spectrum One is packed inside the box in a silver bag that protects it from condensation.

1. First remove the manuals/software box, leads, etc. from the box, and check that all the following parts are present:

Part Number	Description	Quantity
-	Spectrum One	1
01862082	Polystyrene calibration film	1
04974265	Quick release purge coupling	2
09410060	Ethernet crossover cable	1
09923433	8.0 mm hexagonal wrench	1
N0171159	Desiccant kit	2
-	Software and manuals kit	1

If any items are missing or damaged, contact your local Perkin Elmer office.

NOTE: *Any accessories will be shipped in separate boxes.*

2. Carefully remove the Spectrum One from the shipping container, **but not from the bag in which it was shipped.**

Customer's signature _____