



SmartSocket

For Portable Particle Counters

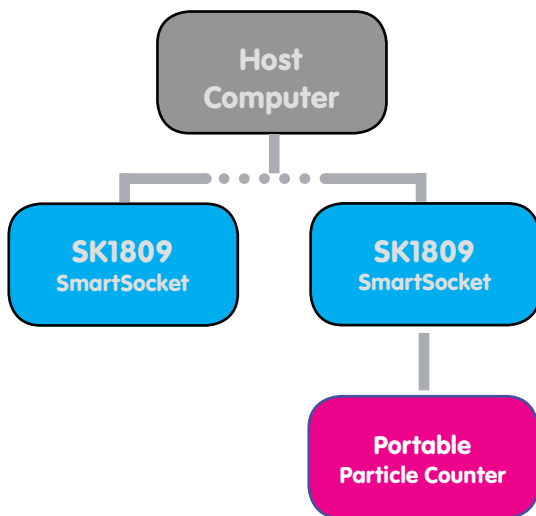
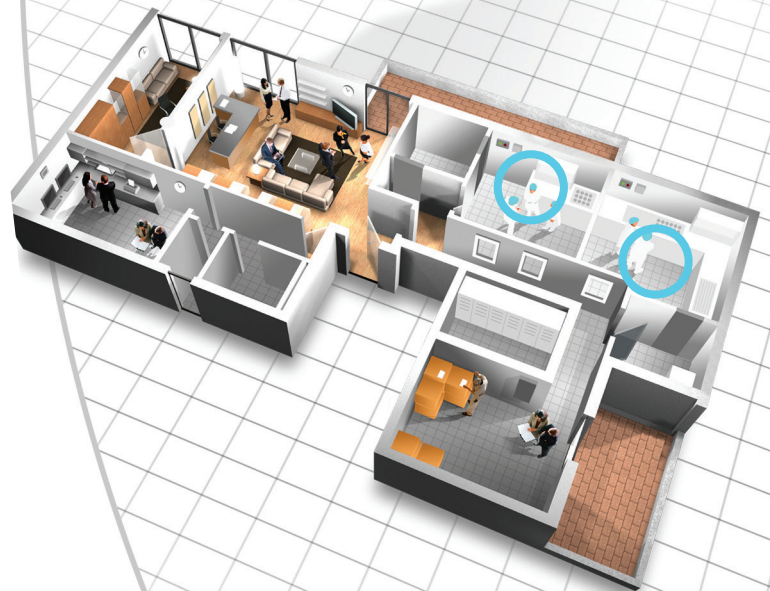
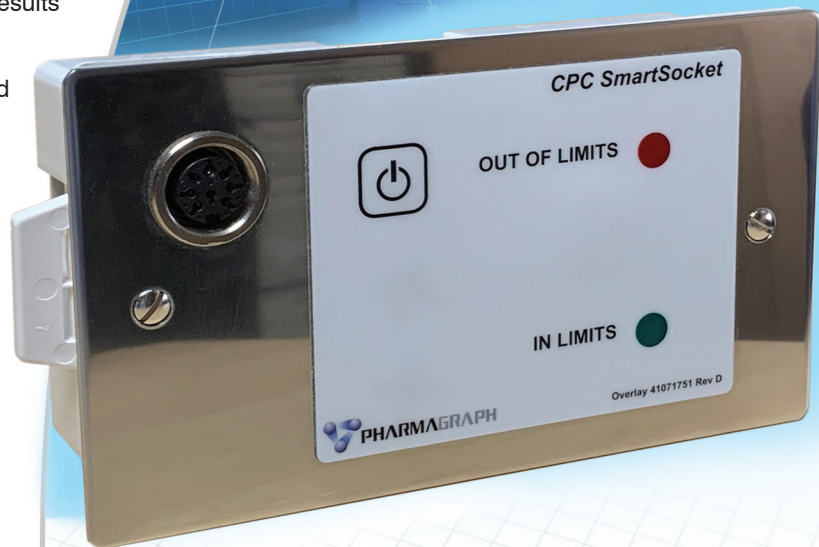
The SK1809 SmartSocket offers an easy method of collecting data from portable particle counters without the need to set up a sample location within the counter. This is achieved by permanently setting the location address within the wall mounted SmartSocket rather than manually within the counter every time it visits a new sampling location. Optimised for use with enVigil application software, the particle counts are automatically reported from the correct location as the particle counter is plugged in at a specific sample location.

The compact unit offers local indication of out-of-compliance results via simple read and green lamps and can be enhanced by the addition of a wall or ceiling mounted beacon stack. A sealed button on the front allows the particle counter to be started and stopped without having to leave the clean room.

Multiple SmartSockets can be connected to allow a single portable particle counter to cover a large area with no risk of the incorrect sample location being recorded. This is particularly useful where the classification of the area does not mandate continuous particle counting.

The SmartSocket system can even accommodate multiple particle counters to facilitate simultaneous sampling of multiple locations, if required.

Note that the connection on the faceplate only provides serial communications with the portable particle counter. It does not provide power, therefore the particle counter must be battery powered or powered separately.



SmartSocket Specification

- 304 Stainless Steel faceplate with sealed overlay. ABS mounting box.
 - Width 145mm
 - Height 85mm
 - Depth 40mm (excluding plug on front)
 - Weight 0.35kg
- Power supply
 - 24VDC +/- 10%, 0.5W (excluding external beacon lamps)
- Interface
 - RS485 multidrop serial bus
 - Fixed at 19k2 baud, 1 start bit, 1 stop bit, no parity
 - Location address set by switches in the range 0 thru 31
- Environmental
 - Operating temperature 10 to 32°C
 - Storage temperature -40 to 70°C

Ordering Information

- **SK1809X** SmartSocket for RS485 interface particle counter
 - Complete with 3m cable suitable for MetOne 3400 series particle counter with serial interface
 - Consult the sales office for alternative cable lengths

Optional Accessories

- BS1030 Alarm Beacon stack with Red, Amber and Green LED lamps and sounder

Specification



FS 621150

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