



Download Socket

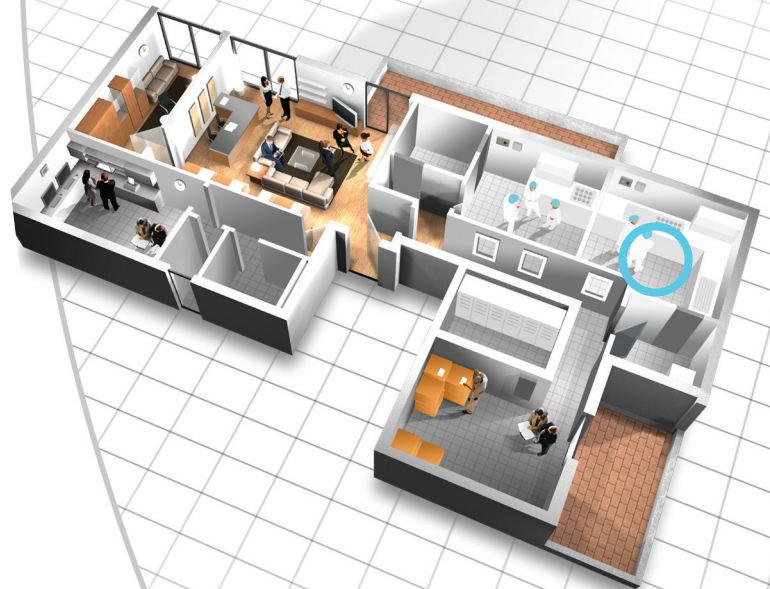
For Portable Particle Counters

The DK1809 Data Transfer Socket offers an error free method of collecting data from a portable particle counter that has to visit multiple sampling locations within a facility. This is commonly referred to as a 'tour' and may involve sampling from many locations. To achieve this, each physical location is allocated a fixed number and the location number changed within the counter at each sample location. The portable counter is started manually on the portable counter at each location and the appropriate numbers of samples taken.

When the tour is complete, the portable counter is taken to the data transfer socket, connected via a cable and the integral start button pressed until the transfer begins.

The complete set of samples is transferred to the host computer, and is automatically split according to the sample location embedded within the particle counter's sample data.

Data transfer activity is indicated on a bright green LED, while another red LED shows any errors that may have occurred during the transfer.



Data Transfer Socket Specification

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

Ordering Information

- **DK1809X** Data Transfer Socket for RS485 interface particle counter
 - Complete with 3m cable suitable for MetOne 3400 series particle counter with serial interface¹

Specification

¹ Consult the sales office for alternative cable lengths



FS 621150

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