

DustTrak™ External Pump

Models 8530EP/8533EP








Quick Start Guide

Thank you for purchasing a TSI® DustTrak™ Model 8530EP/8533EP dust monitor. This guide will help you quickly connect the external pump to the DustTrak™ Model 8530EP/8533EP dust monitor.

More detailed information is in the user manual provided with the instrument in the carry case. Please refer to the manual if you have questions on the operation of your new dust monitor.

Setup Instructions

DustTrak™ 8530EP/8533EP does not come with an internal pump. It must be connected to an external pump module available from TSI®. The following parts are needed to set up the DustTrak monitor with the external pump. Contact TSI® immediately if any of the items are missing or broken.

Qty	Part Number	Description	Item
1	801675	External Pump Kit <i>(replacement available separately from TSI®)</i>	
1	801797	External Pump Power Cable (to DustTrak monitor)	
1	801798	External Pump Flow Tube (to DustTrak monitor)	
1		Exhaust Adapter, DustTrak Monitor	
1	8530EP/8533EP	DustTrak Monitor with External Pump	

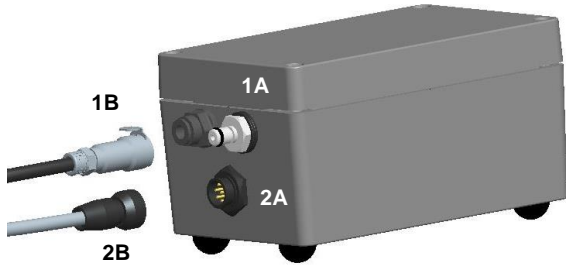
CAUTION

The external pump is completely powered by the DustTrak™ monitor. **DO NOT** attempt to power the pump module using an external power source.

NOTICES

1. The power connector and the flow quick connect “click” when securely connected. The power connector must be rotated clockwise past the locking pin.
2. **DO NOT** hot-plug the External Pump Module when the DustTrak™ monitor is turned ON. Always connect the External Pump module first and then turn the DustTrak monitor ON.
3. TSI® recommends that the DustTrak monitor with the external pump be operated in the Model 8535 Environmental Enclosure.
4. TSI® recommends that the pump module be operated when mounted on its feet and avoid operating at other orientations as much as possible.
5. Pump module and the DustTrak monitor should be at the same electrical potential.
6. The additional port on the external pump module is where the pump exhausts the flow. For applications where the DustTrak monitor is sampling from a chamber or a duct at pressures significantly different from the ambient, TSI® recommends plumbing the exhaust of the external pump back in to the chamber/duct.

1. Carefully unpack the DustTrak™ monitor from the shipping container.
2. Unpack the external pump from the shipping container.
3. Connect one end of the quick connect of the External Pump Flow Tube to the pump module [1A to 1B].
4. Connect one end of the External Pump Power Cable (to DustTrak™ monitor) to the pump module as shown below [2A to 2B].



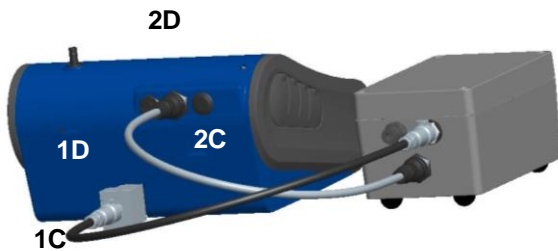
7. Setup of the DustTrak™ monitor with the external pump is now complete.



5. Connect the exhaust adapter to the exhaust of the DustTrak™ monitor as shown below.



6. Connect the other end of the quick connect of the External Pump Flow Tube (to DustTrak monitor) to the exhaust adapter on the DustTrak monitor [1C to 1D]. Likewise, connect the other end of the External Pump Power Cable to the DustTrak monitor as shown below [2C to 2D].



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TSI Incorporated – Visit our website www.tsi.com for more information.

USA Tel: +1 800 680 1220
 UK Tel: +44 149 4 459200
 France Tel: +33 1 41 19 21 99
 Germany Tel: +49 241 523030

India Tel: +91 80 67877200
 China Tel: +86 10 8219 7688
 Singapore Tel: +65 6595 6388

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