TSI DustTrak 8534 DRX Handheld - Dust/Aerosol Monitor

Available for rental, hire and purchase from Ashtead Technology

Available for rental or purchase, the TSI DustTrak 8534 DRX is a handheld monitor which measures particulate and aerosol contaminants such as dust, smoke, fumes and mists.

Suitable for various applications including point source location monitoring, the TSI DustTrak 8534 Handheld is designed specifically for spot checking and can measure PM1, PM2.5, PM10, Respirable and Total PM (both mass and size fraction) simultaneously.

For reporting, the TSI DustTrak 8534 DRX has a real-time display and can also continuously log data at user-defined intervals. Data can then be easily exported off the TSI DustTrak 8534 and analysed in the TrakPro™ software.

Capable of running for up to 6 hours, the TSI DustTrak 8534 DRX has a concentration range of 0.001 to 150 mg/m³ and a particle size range 0.1 to 15µm.

If you’re looking for a desktop Dust / Aerosol Monitor, please see the TSI DustTrak 8533 DRX.

Rents with:
- TSI DustTrak 8534 DRX Handheld, Charger, Software, USB Cable, Stylus, Screwdriver, Zero Filter, Inlet Cap, Conductive Tubing, Calibration Impactor Kit (PM 2.5) and Impactor Oil.

Renting the TSI DustTrak 8534 DRX Handheld

Available on a short or long term basis, the TSI DustTrak 8534 DRX Handheld will arrive fully calibrated and ready to go straight out of the box. Once your job is complete, you can either return the equipment to us, or contact us to arrange a collection. It’s that simple!

Purchasing the TSI DustTrak 8534 DRX

The TSI DustTrak 8534 DRX is also available to purchase from Ashtead Technology. As a Gold Channel Partner for TSI Instruments, we have a dedicated sales and technical team who are on hand to support you throughout your purchase. From product demonstrations to technical queries, they’re here to help you!

Calibrations & Repairs
Ensuring your instruments are calibrated is imperative for accurate air quality monitoring. We take the hassle out of maintaining your TSI DustTrak 8534 DRX by managing calibrations and repairs for you. We’ll remind you when the calibration is due, arrange to have the unit collected, book in a rental replacement (if required), ensure all software / firmware is updated and manage the paperwork.

### Technical specification

<table>
<thead>
<tr>
<th>Sensor Type</th>
<th>90° light scattering</th>
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</thead>
<tbody>
<tr>
<td>Particle Size Range</td>
<td>0.1 to 15 µm</td>
</tr>
<tr>
<td>Aerosol Concentration Range</td>
<td>0.001 to 150 mg/m³</td>
</tr>
<tr>
<td>Display</td>
<td>Size Segregated Mass Fractions for PM1, PM2.5, Respirable, PM10 and Total. All displayed</td>
</tr>
<tr>
<td>Resolution</td>
<td>±0.1% of reading or 0.001 mg/m³, whichever is greater</td>
</tr>
<tr>
<td>Zero Stability</td>
<td>±0.002 mg/m³ per 24 hours at 10 sec time constant</td>
</tr>
<tr>
<td>Flow Rate</td>
<td>3.0 L/min</td>
</tr>
<tr>
<td>Flow Accuracy</td>
<td>±5% of factory set point, internal flow controlled</td>
</tr>
<tr>
<td>Temperature Coefficient</td>
<td>+0.001 mg/m³ per °C</td>
</tr>
<tr>
<td>Operational Temp</td>
<td>32 to 120°F (0 to 50°C)</td>
</tr>
<tr>
<td>Storage Temp</td>
<td>-4 to 140°F (-20 to 60°C)</td>
</tr>
<tr>
<td>Operational Humidity</td>
<td>0 to 95% RH, non-condensing</td>
</tr>
<tr>
<td>Time Constant</td>
<td>User adjustable, 1 to 60 seconds</td>
</tr>
<tr>
<td>Data Logging</td>
<td>5 MB of on-board memory (&gt;60,000 data points) 45 days at 1 minute logging interval</td>
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<tr>
<td>Log Interval</td>
<td>User adjustable, 1 second to 1 hour</td>
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<tr>
<td>Communications</td>
<td>USB (host and device). Stored data accessible using flash memory drive</td>
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<tr>
<td>Power–AC</td>
<td>Switching AC power adapter with universal line cord included, 115-240 VAC</td>
</tr>
<tr>
<td>Alarm Out</td>
<td>Audible buzzer</td>
</tr>
<tr>
<td>Screen</td>
<td>3.5 in. VGA color touchscreen</td>
</tr>
<tr>
<td>CE Rating Immunity</td>
<td>EN61236-1:2006</td>
</tr>
<tr>
<td>CE Rating Emissions</td>
<td>EN61236-1:2006</td>
</tr>
</tbody>
</table>

### Dimensions

<table>
<thead>
<tr>
<th>Description</th>
<th>mm</th>
<th>inch</th>
<th>kg</th>
<th>lbs</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSI DustTrak 8534 DRX Handheld</td>
<td>125 x 121 x 316 mm</td>
<td>4.9 x 4.8 x 12.5 in</td>
<td>1.5 kg</td>
<td></td>
</tr>
</tbody>
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