

ATTACHMENT D
Aerosol Monitor Shop Drawing

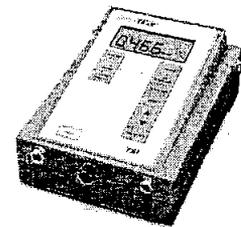
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TSI DustTRAK Aerosol Monitor

FEATURES AND APPLICATIONS

The DUSTTRAK Aerosol Monitor is a portable, battery-operated, laser-photometer that measures and records airborne dust concentrations. Use it to measure aerosols in a wide variety of environments, from offices to industrial workplaces. Common applications include:

- Indoor Air Quality Investigations
- Industrial Workplace Monitoring
- Environmental Monitoring
- Evaluation of Filters and Engineering Controls
- Real-time Remote Site and Perimeter Monitoring



With the DUSTTRAK Aerosol Monitor, an easy-to-read digital display shows real-time concentrations in milligrams per cubic meter (mg/m^3) while data is simultaneously logged into memory. And the DUSTTRAK has enough memory to record weeks worth of data, even at one-minute intervals. You can program start and stop times for unattended data logging. The DUSTTRAK Aerosol Monitor executes your instructions with microprocessor precision and patiently waits for your return. Your precious data is safely tucked away in lithium-battery-backed memory. What do you do with all that data? When you're ready, download the data from the DUSTTRAK monitor to your PC and easily create custom graphs using the Windows software included with each instrument. You can illustrate how airborne particle concentrations vary over time, and pinpoint hard-to-locate time-of-day dependent IAQ (indoor air quality) or industrial workplace problems. Print graphs on a monochrome or color printer and use them to make impressive reports or presentations. Overlay other DUSTTRAK graphs or data from a TSI Q-TRAK™ Plus IAQ Monitor or P-TRAK™ Ultrafine Particle Counter to help identify suspicious patterns.

The DUSTTRAK with analog and alarm outputs can now be used in applications like site perimeter monitoring, ambient monitoring, and other remote monitoring applications. The analog output is capable of providing a voltage signal that is proportional to the displayed mass concentration. The analog output has an output voltage range of 0-5 VDC, with four user selectable output scaling ranges. The alarm output with adjustable setpoint can alert the user of upset or changing conditions. This new feature allows you to program a switch closure to occur at the aerosol mass concentration value of your choosing. The alarm setpoint is user-defined via TRAKPRO™ Data Analysis Software. An on-board, audible alarm beeps when the setpoint is exceeded and the instrument's digital display alternates between alarm ("AL") and the real-time aerosol mass concentration reading.

[View Product Specs \(PDF\)](#)