



® Knowledge Beyond Measure.

DustTrak™ Aerosol Monitor Environmental Enclosure

Model 8535



Shown with DustTrak™ Aerosol Monitor (sold separately)

Protective outdoor enclosure for DustTrak™ aerosol monitors in demanding environments

Designed for outdoor deployment, the Environmental Enclosure helps protect compatible DustTrak™ aerosol monitors in challenging conditions. Built around a rugged, weatherproof case, it supports dust monitoring across construction, industrial, remediation, and research applications where portability, quick setup, instrument protection, and flexible power options are essential. Compatible accessories help extend run time, improve sample conditioning, and provide added protection in harsh weather.

Features and Benefits

- Rugged weatherproof enclosure helps protect the instrument in demanding outdoor environments
- Compatible with DustTrak™ II and DRX Aerosol Monitor models 8530, 8530EP, 8533, and 8533EP
- Omni-directional sampling inlet with extended rain cap supports reliable outdoor sampling
- Tripod-mountable design enables stable positioning and flexible deployment
- Optional battery and solar power systems support remote or off-grid operation
- Optional heated inlet sample conditioning modules help improve measurement stability in challenging weather conditions
- Optional heat shield reduces solar loading on the enclosure
- Flexible accessory options allow the system to be configured for a wide range of monitoring needs

Applications

- Outdoor air quality monitoring
- Construction and industrial site monitoring
- Environmental impact assessments
- Remediation and field investigations
- Portable environmental research and survey work
- Emergency response and temporary monitoring deployments



Specifications

DustTrak™ Aerosol Monitor Environmental Enclosure

Model 8535

8535 - Rugged Weatherproof Enclosure with Omni-Directional Sampling Inlet	
Parameter	Specification
External Dimensions (H x W x D)	8.1 x 16.9 x 20.9 in. (21 x 43 x 52 cm)
Sampling Inlet Type	360° omni-directional inlet with extended rain cap
Operating Temperature	32 to 120 °F (0 to 50 °C)
Storage Temperature	-4 to 140 °F (-20 to 60 °C)
Compatible Instruments	DustTrak models 8530, 8530EP, 8533, and 8533EP

Accessory	Description	Part Number
Battery System	Dual 22 Ah 12 VDC batteries and charger	801807
Dual Battery Wiring Harness	Wiring harness for parallel battery connection	801817
Telemetry Modem	4G IoT modem for cloud connectivity	801901
Cloud Subscription	12-month cloud subscription	802915
Tripod	Heavy-duty aluminum tripod for quick deployment	854057
Heat Shield	Three-layer heat shield lowers enclosure temperature	801810
Heated Inlet and AutoZero	Reduces humidity effects and controls zero drift	801850

Spare Part	Description	Part Number
Replacement Battery	1 x 22Amp-hr 12VDC battery	801808
Omni-Directional Inlet	Replacement omni-directional inlet	801567
Replacement Humidity Sensor	Humidity sensor used with 801850 and 801851	801836
Replacement Power Supply	12 VDC replacement power supply	801842
Replacement Battery Charger	Replacement battery charger	801809
Modem Spare Parts Kit	Telemetry modem spare parts kit	801837
Replacement Heated Inlet	Replacement heated inlet	801851
Replacement AutoZero	Replacement AutoZero module	801690
Enclosure Spare Parts Kit	Internal power cable, straps, tubing and water trap	801830



Shown with Surveyor's Tripod 854057 (sold separately)



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