

# Troxler ADU Model 5151

## Automatic Drying Unit



## Rapid Drying of Compacted Asphalt Cores

- **Saves hours of drying time** — dries core samples in as little as 10 minutes
- **Small footprint** — small and lightweight design requires less table space
- **Simple one button operation** — just place the sample into the chamber, press the button and wait for the beep

### Essential for the Busy Lab

The ADU is ideal for drying compacted asphalt road cores that come from the jobsite wet and must be quickly analyzed for density. When many cores need to be dried quickly, the ADU is a lifesaver.

### No More Waiting

The ADU takes the place of slowly drying the core samples by placing them in front of a fan or in a low temperature drying oven. Both of these methods require waiting several hours while weighing intermittently until the weight loss stabilizes, indicating a dry sample. The typical drying time using the ADU is between 10 and 20 minutes, saving you hours of waiting. The core density can easily be determined within 30 minutes of arriving in the laboratory.

### User Friendly Interface

The ADU is user friendly with an easy to read large display and an audible alert that indicates when sample drying is finished. The menu driven operation provides clear concise instructions from device setup to sample drying.

### Meets Industry Standards

The Model 5151 complies with ASTM standard D7227 and AASHTO R79.

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### Additional Features

- *Cold Moisture Trap* - collects moisture to prevent damage to the pump.
- *Data Storage and Output* - automatically stores 20 data records and 4 calibration records.
- *Regulates Chamber/Sample Temperature* - prevents degrading of sample due to low or high drying temperature
- *Large Sample Chamber* - accommodates large samples up to 150 mm diameter and 8.5" height
- *Aggregate and Loose Asphalt Drying* - with provided sample holder, loose samples can be dried quickly
- *Service Alerts* - automatically notifies when routine maintenance is required
- *Takes Up Less Lab Space* - pump can be placed on a shelf or in a cabinet, out of the way

### SPECIFICATIONS

Size (WxDxH)	25" W x 10" D x 12" H (63.5 x 25.4 x 30.5 cm)
Weight	23 lbs (10.4 kg)
Shipping Weight	ADU - 50 lbs (22.7 kg) Pump - 35 lbs (15.9 kg)
Shipping Dimensions	ADU - 30" W x 20" D x 20" H (76.2 x 50.5 x 50.8 cm) Pump - 22" W x 16" D x 16" D (55.9 x 40.6 x 40.6 cm)
Operating Temperature	2° to 38° C (55° to 101° F)
Storage Temperature	- 55° to 85° C (-67° to 185° F)
Measure Units	Pressure reported in RVQ
Drying Time	Moisture content dependant: 10 to 20 minutes average
Power Source	120 VAC
Calibration	Internal pressure calibration performed daily (minimum)
Serial Port	9 pin male RS232
Connector	8 bit, 1 stop bit, no parity

Made in USA



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