



Consulting
& Training

Additives

Seed
Coating

Seed
Treatment
Equipment

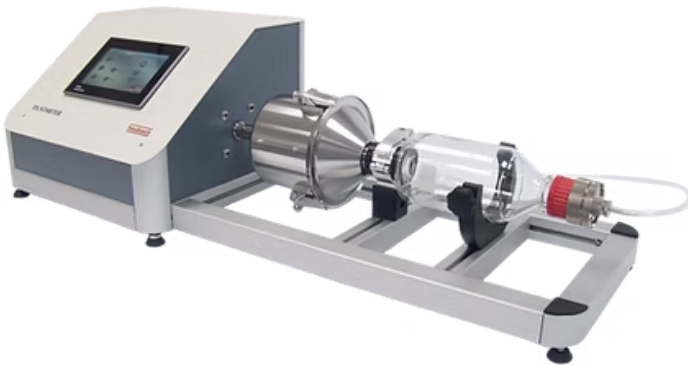
Heubach Dust Meter

Type 1

The Heubach Dustmeter is a monitoring/feedback device designed to help control the dust properties of coated seed, with the unique ability to simulate an array of mechanical handling scenarios.

The Type I is the most versatile. It functions by the method of the rotating drum and performs according to the measuring criteria set out by ESTA and Euroseeds for the Heubach dust reference values.

As treated seeds move through a rotating drum, they undergo mechanical stress. A vacuum pump generates airflow, directing particles through the drum, into a connected glass cylinder, and finally to a filter unit. This airflow carries abraded dust particles away, separating them based on weight. Heavier, non-floating particles settle in the glass cylinder, while lighter dust particles are captured by the filter. The amount of airborne dust collected on the filter is then measured using gravimetric analysis.



Technical Data

Control units

	Quantity/Quality/Value
Drive Motor	max. 60 RPM, frequency controlled
Pressure/Vacuum pump	max. 100 l/min, unloaded max. 0.15 bar absolute, unloaded
Air throughput	max. 40 l/min = 2400 l/h min. 4 l/min = 240 l/h Controlled by a mass flow meter with automatic valve

Operating units

	Quantity/Quality/Value
Dust development drum	Volume approx. 2.2 l
Coarse particle separator	Volume approx. 1 l Overall length 31 cm
Filter housing	For filter sheets, diameter 50mm

Weights

	Quantity/Quality/Value
Weight CDU	33 kg
Weight CDU + type 1	kg
Weight CDU + type 2	kg
Weight CDU + type 3	kg

Limits

	Value
Physical limits (l x w x h)	Approx. 1100 x 400 x 350 mm

Electrical connection

	Value
Primary electrical connection	230V AC / 50Hz / 3,15 A
Primary electrical connection	110V AC / 60Hz / 3,15 A
Secondary electrical connection	230V AC / 50Hz / 3,15 A
Total Output	380 VA