

Datacolor® CONDITIONER Eco

Consistent sample color assessment anywhere



Datacolor CONDITIONER Eco is an environmental conditioning cabinet that enables color labs and offices to achieve highly reproducible color assessments by eliminating color differences that result from temperature and humidity variations, regardless of location.

Numerous studies have confirmed that the color of a sample can change significantly with variation in the sample's temperature or moisture content. If these two elements are not properly controlled, incorrect color assessments can occur.



Efficiency in sample conditioning

- Peltier technology features less energy consumption, low noise pollution, and significantly higher climate friendliness.
- Sealed inner glass door enables viewing of sample location for rapid sample removal and minimal disruption to conditioning.
- Quickly and easily select the appropriate conditioning set points with the intuitive controller interface.



Confidence in sample conditioning

- Conformance to ASTM D1776 and ISO 139 standards for conditioning textile samples to meet the requirements of the global supply chain.
- Precise temperature control with precision of $\pm 0.2^{\circ}\text{C}$, and humidity control with maximum variation of $\pm 2\%$ RH.
- Constant gentle air circulation throughout chamber ensures homogeneous sample conditioning throughout the cabinet.
- History Data and digital chart recording feature for easy monitoring of unit.

Flexibility to meet your needs

- Compact, easy-to-use unit that fits into any lab or office environment.
- Units available with adjustable D65+UV LED illumination for conditioning of samples that change color with exposure to light.
- Sample capacity:
 - Units with lighting hold up to 40 samples on 2 shelves
 - Units without lighting hold up to 100 samples on 5 shelves
- External water tank and Automatic water replenishment inlet available.



FEATURES COMPARISON	Constant Climate Chamber	
	CONDITIONER Eco LED (with lighting)	CONDITIONER Eco (without lighting)
Refrigeration	Peltier (Semiconductor)	
Controller	7" touchscreen	
Interior Volume	100L	
No. of Shelves Supplied as Standard	2	3
Max No. of Shelves	2	5
Approximate No. of Samples per Shelf	20	
Temperature Range	15-50°C	
Temperature Fluctuation (at 21°C, 65% RH)	± 0.5 °C	
Humidity Range	40-70% rH	
Humidity Fluctuation (at 21°C, 65% RH)	± 2% rH	
Water consumption	<1L/week	
Recovery time After Door Open	≤ 6 min.	
Sealed inner see-through door	✓	
Daylight Lighting D65 LED	✓	No
Timer	Yes	
Noise level (mean value)	<56dB (A)	
ASTM D 1776; ISO 139 compliant	✓	
Exterior Dimensions (in mm)		
Width	668	
Height	752	
Depth	675	
Weight	96kg	89kg
Interior Dimensions (in mm)		
Width	480	
Height	560	
Depth	400	
Power Requirements		
Power voltage	200 - 230 V *	
Power frequency	50/60 Hz	
Power wattage	<1 kW	

* Unit can be run at 110V instead of 220/230V, using an optional 110V to 220V mains transformer.

All images in this document are for illustrative purposes only. The actual product may differ slightly from the illustrations.

For more information, please visit www.datacolor.com