eClimateNotebook®

The Essential Software for Managing Collection Environments

Environmental management is a critical component of collections preservation and sustainability in collecting institutions. Maintaining an optimal balance of the slowest rate of collection decay and lowest energy costs requires an ongoing commitment to monitoring, analysis, and management. eClimateNotebook® (eCNB) is developed by the Image Permanence Institute (IPI) at Rochester Institute of Technology, specifically to help collecting institutions make informed decisions about how to improve the preservation quality of collections environments, and is the only environmental management software supported by preservation specialists and research scientists.

eClimateNotebook® Software Subscription Options

A range of annual subscription levels are available to meet the needs of small, mid-size, and large institutions.

Level I 10 Locations	Level II 25 Locations	Level III 50 Locations	Level IV 150 Locations	Enterprise 150+ Locations
$180/year	$450/year	$900/year	$1800/year	Starting at $2000/year

Datalogger Options

There are a number of manufacturers that offer temperature (T) and relative humidity (RH) dataloggers that can be used for preservation environmental monitoring. Most datalogger brands are sold with a proprietary software that can export data as a .CSV file. This file type can be uploaded to eClimateNotebook®.

Dataloggers vary in size, accuracy, data capacity, ease of use, battery life, data transfer, and cost. A "one-size-fits-all" approach to selecting dataloggers may not work. Wireless dataloggers are beneficial for monitoring difficult-to-access locations, such as exhibition cases. Manual or Bluetooth dataloggers are easy to download on regular walk-throughs of collections spaces. Physically inspecting collection spaces is an important environmental management routine to identify risks that may not be detected by a T and RH datalogger such as building envelope or infrastructure issues. The table below provides a summary of pricing information for starting a monitoring program using manual, Bluetooth, and/or wireless dataloggers. IPI staff provide assistance to eClimateNotebook® users on how to upload data regardless of the datalogger brand being used.

Software and Hardware Comparison (3-Year Investment)*

	10 Locations	25 Locations	50 Locations	150 Locations
Manual Dataloggers w/ eCNB®	$2,203	$5,506	$11,013	$30,338
Bluetooth Dataloggers w/ eCNB®	$2,051	$5,126	$10,253	$28,058
Wireless Dataloggers and Gateway(s) w/ eCNB®	$3,513	$8,783	$17,565	$49,995
Wireless Dataloggers and Gateway(s) w/ Conserv	$11,250	$28,125	$56,250	$168,750

*Pricing comparison based on HOBO dataloggers and gateways using IPI/HOBO parternship discount (see reverse for details).
Wireless estimates based on equivalent number of dataloggers and gateways. All estimates based on information available online in April 2025.

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Easily Organize, Analyze, and Report Environmental Data

eCNB is designed for collections and facilities staff in libraries, museums, and archives to analyze the preservation quality of environments with ease. Informed by decades of preservation research and field testing in cultural institutions, IPI's Preservation Metrics quantify preservation risks associated with natural aging, mechanical damage, metal corrosion, and mold growth for every monitored location. Subscribers can also perform limit analysis for temperature, relative humidity, and dew point to easily review the percentage of time spent above, below, and within the target range for each location.

Natural Aging	Mechanical Damage	Metal Corrosion Risk	Mold Risk	T°F Mean	%RH Mean	DP°F Mean	TWPI	%DC Max	%EMC Min	%EMC Max	MRF
⊖	⚠	⚠	☑	69.6	40.8	43.1	47	1.62	5.3	11.2	0.03
⚠	☑	⊖	☑	66.9	51.1	48.2	43	0.27	8.8	9.8	0
⊖	☑	⊖	☑	66.8	44.1	44.2	54	0.3	7.7	8.8	0
⚠	⊖	⊖	☑	71.9	45.4	49	36	0.96	6.4	9.9	0.02
⊖	⚠	⚠	☑	69.2	43.9	45.1	48	1.79	6	12.4	0.07

eClimateNotebook® Enterprise Software Subscription

For institutions monitoring over 150 locations or multiple sites and facilities within a single organization, this subscription level includes enhanced administrative capabilities.

Multi-account/organization-wide Administration

The Enterprise subscription allows an organization to have multiple accounts within a single subscription. Organization administrators are able to access all of the accounts within an Enterprise subscription, while data managers and data analysts are assigned access to one or more account(s).

For example, the Rochester Institute of Technology (RIT) may want an Enterprise subscription to consolidate collections environmental monitoring across campus into one eClimateNotebook subscription. Within an Enterprise subscription multiple accounts can be created. In this instance, the ideal RIT subscription might include 3 accounts to monitor: 1) the University Library, 2) the University Gallery, 3) the University Archive. Subscription administrators can access all three accounts and assign access for data managers and data analysts. A data manager may only be able to access the University Library account, or perhaps has access to both the University Library and University Archive, but no access to the University Gallery account. Access levels and accounts are assigned by the subscription administrators.

Discount on HOBO Dataloggers and Gateways

IPI has a partnership with HOBO dataloggers, a Li-Cor brand, which are used in a wide range of collecting institutions. eClimateNotebook® subscribers can save 5% off the price of HOBO monitoring products that are compatible with eCNB by using promotional code eClimateNotebook5 at the time of purchase. Visit https://www.onsetcomp.com/eClimateNotebook for more information. A portion of the proceeds from these sales will be returned to IPI to support our mission.

Contact us by email at ipiwww@rit.edu or by phone at 585-475-5199 for additional information.