PROWHITE

DRY UVA TEST SYSTEMS

PW-K035M ECO

Benchtop Dry UVA Exposure Tester

Explore how materials respond to dry UVA exposure.



UVA only
dry exposure

4 UVA lamps
600 mm class

4.3-inch HMI
Ethernet data output

Dry UVA exposure. Benchtop convenience.

A benchtop platform focused on dry UVA.

PW-K035M ECO is a single-sided benchtop instrument developed for comparative evaluation of material behaviour under UVA radiation. The ECO configuration provides dry UVA exposure only, without condensation or water spray.



Four parallel UVA lamps

Evenly spaced lamps are positioned at an equal distance from the specimen plane.

Fixed specimen holders

Holders remain on the instrument body when the lid opens. Access is provided from one side.

01 Select the lamps

A uniform UVA lamp set matched to the method.

02 Expose

Exposure time and temperature conditions of the selected method.

03 Compare

Evaluate specimen properties after exposure.

Post-exposure colour, gloss or mechanical property measurements use appropriate separate evaluation methods.

Two lamp choices.
Three dry test methods.

Lamp spectrum is part of the selected test method. Each exposure uses a homogeneous set of one lamp type.

UVA-340

PHOTODEGRADABLE PLASTICS

Dry UV exposure of photodegradable plastics within the scope of ASTM D5208, Cycle C.

UVA-351

WINDOW-FILTERED UV

A spectrum representing the UV region filtered through window glass, for the listed dry ISO cycles.

Test methods the instrument is designed to support

STANDARD / DRY CYCLE	LAMP / APPLICATION SCOPE
ISO 4892-3:2024 Method B · Cycle 5	**UVA-351** Plastics · continuous light, dry exposure
ISO 16474-3:2021 Method B · Cycle 3	**UVA-351** Paints and varnishes · continuous light, dry exposure
ASTM D5208-14(2022) Cycle C	**UVA-340** Photodegradable plastics · continuous UV, dry exposure

Scope is limited to the dry cycles listed above. Cycles requiring condensation or water spray are outside the ECO configuration. UVA-340 and UVA-351 lamps are not mixed in one exposure.

Controlled exposure. Comparative assessment.

The touchscreen interface is used to set up the test and monitor operating information. Ethernet provides the data output connection.



4.3-inch

Touchscreen PLC/HMI

Monitor exposure time and operating information from one interface.

Ethernet

Wired connection for data output.



Specimens and post-exposure laboratory assessment.

Applications

Plastics

Material comparisons for window-filtered UV exposure.

Paints and varnishes

Dry UVA exposure of coated surfaces.

Photodegradable plastics

Evaluation within ASTM D5208, Cycle C.

Closed-loop UV control

UV sensor · feedback · lamp control

Colour measurement shown is a separate assessment process; the colour meter is not part of standard instrument equipment.

Technical specifications and instrument configuration.

FEATURE	PW-K035M ECO
Test type	Dry UVA exposure
Format	Single-sided benchtop
Lamp arrangement	4 parallel UVA fluorescent lamps
Nominal lamp length	600 mm class
Lamp type	UVA-340 or UVA-351, by test method
Specimen holders	Body-mounted, independent of the lid
Operator interface	4.3-inch touchscreen PLC/HMI
Data output	Ethernet
UV control	Closed-loop with sensor feedback
Moisture functions	No condensation or water spray

Standard equipment

- Single-sided test chamber with fixed specimen holder arrangement.
- 4.3-inch touchscreen PLC/HMI.
- Ethernet data output.

Lamp configuration

- UVA-340: ASTM D5208, Cycle C.
- UVA-351: the listed ISO dry cycles.

The supplied lamp type is selected at order stage to match the test method.

Lamp selection and scope of delivery are defined together with the test method.

PROWHITE

Precision at Every Stage.
Confidence in Every Test.

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Discuss the test method and lamp configuration for your PW-K035M ECO.

REQUEST INFORMATION →

Dry UVA test solutions for your laboratory.