

## Battery Replacement

This unit uses a PP3 (9v) Alkaline battery type 6LR61, MN1604 or equivalent.

- 1) Remove 4 screws on the underside of the unit using a Philips P1 screwdriver.
- 2) Gently separate the two case halves to reveal the battery compartment. Take care not to disturb the electronics.
- 3) Remove battery by gently lifting from the terminal end.
- 4) Insert replacement - non terminal end first - and press firmly into place, (+ve marked on case and Red Wire).
- 5) Replace the top case and replace screws. Do not over tighten.



## Support

Norcott[i] operates a web based technical support service for all products. Please review our troubleshooting and supported product guide for the latest information.

If you wish to log a support request it is **important** that you have the serial number of your product to hand. This will allow you access to the customer support pages and allow us to provide you with relevant support information. The location of the serial number is shown on the underside diagram on page 1.

## Comments

We are always happy to receive comments on our products. If there is anything you think we could improve - please contact us by emailing: [support@norcotti.com](mailto:support@norcotti.com)

## Warranty

The e-activ advanced glass coating detector is guaranteed for one year from date of purchase against defects in materials and workmanship that result in failure during normal usage. Please visit our website for full terms and conditions along with details of how to return products.

Product returns will not be accepted without a Return Authorisation Number (RAN) issued by us.

Manufactured in the UK  
by Norcott Instrumentation Limited.

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# e-activ e-activ

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## Advanced Glass Coating Detector - Quick User Guide

**e-activ** is an advanced glass coating detector that provides a method of reliably identifying the surface location of a wide variety of low-e coatings along with the revolutionary Pilkington Activ™ self cleaning glass technology.

The e-activ is primarily designed to be used by glazing fabricators to ensure correct assembly of Insulating Glass Units (IGUs). It can also be used to verify the correct site installation of units commonly used in commercial and domestic glazing applications.



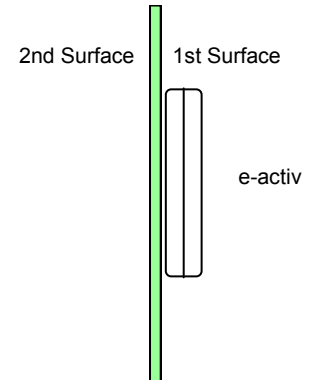
**Caution: LED Radiation DO NOT** stare directly into the measurement beam on the underside of the detector or view directly with optical instruments.  
Class 2M LED Product.

## Conventions used in this guide:

**1st Surface (Contact)** - this is the side of a pane of glass on which the e-activ is placed to take the measurement.

**2nd Surface (Reverse)** - this is the **opposite** side of a pane of glass on which the e-activ is placed to take the measurement.

**IGU** - Insulating Glass Unit. Each pane of glass in the assembled unit has a 1st and 2nd surface. However it is only possible to take measurements on the outer surface of each pane.



## Operation

- 1) Hold unit flat against the glass to be measured (1st surface) and press the button located on the top of the unit.
- 2) After two seconds the e-activ unit will indicate the coating configuration on the glass.
- 3) If the button is held down the indication will be maintained and the unit can be removed from the glass. This is useful where the measurement cannot be observed directly e.g. opposite side of an IGU.

### ✓ Do

- Ensure that the surface to be measured is dry and free from significant contamination.
- Confirm the measurement at 3 points on the surface of the glass.
- Check the optical window. If excessive dust build up is observed then clean using a soft cloth.

### ✗ Do not

- Place your hand on the glass during the measurement as this can affect the readings obtained.
- Measure within 75mm (3") of the edge of a double glazed unit or other metallic objects.
- Allow conductive materials to touch the opposite side of the glass when measuring single sheets. This includes other glass with low-e coatings. **If you do measure glass in a stack, only 1st surface measurements will be valid.**
- Expose the e-activ to excessive moisture in storage or during measurements. Moisture on the glass or the underside of the e-activ can give inaccurate readings.



## Important Information

- **Low-e** coatings can be detected automatically on both sides of the glass. For technical reasons Pilkington Activ™ coatings can only be detected on the 1st surface (side being measured).
- Wherever possible we recommend that both sides of the glass are tested.
- When testing installed units make sure that they do not have any post manufacture films applied. **This will invalidate the readings obtained.**
- Some specialist coating compositions cannot be detected reliably. For a full list of valid coatings and products supported please visit our website at:

[www.norcotti.com/eactiv/coatings](http://www.norcotti.com/eactiv/coatings)

## Indicators

This table shows the possible results when taking a measurement

✗	🔋	☀️	💧	🏠	🏠	<b>Coating Not Detected</b> - No <b>low-e</b> coating has been detected on either surface. The 1st surface does not have a Pilkington Activ™ coating. If possible measure the 2nd surface.
✗	🔋	☀️	💧	🏠	🏠	<b>Low-e (Contact)</b> - The glass has a <b>low-e</b> coating on the 1st surface of the glass.
✗	🔋	☀️	💧	🏠	🏠	<b>Low-e (Reverse)</b> - The glass has a <b>low-e</b> coating on the 2nd (reverse) surface.
✗	🔋	☀️	💧	🏠	🏠	<b>Activ</b> - Pilkington Activ™ coating has been detected on the 1st (contact) surface of the glass.
✗	🔋	☀️	💧	🏠	🏠	<b>Activ/E</b> - Pilkington Activ™ coating has been detected on the 1st (contact) surface of the glass and a <b>low-e</b> coating on the 2nd (reverse) surface.
✗	🔋	☀️	💧	🏠	🏠	<b>Bioclean</b> - Saint Gobain Bioclean™ coating has been detected on the 1st (contact) surface of the glass.
✗	🔋	☀️	💧	🏠	🏠	<b>Bioclean/E</b> - Saint Gobain Bioclean™ coating has been detected on the 1st (contact) surface of the glass and a <b>low-e</b> coating on the 2nd (reverse) surface.
✗	🔋	☀️	💧	🏠	🏠	<b>Flashing "X"</b> - Nothing detected, usually because it wasn't on a surface when triggered. See note 1.
✗	🔋	☀️	💧	🏠	🏠	<b>Low Battery Warning</b> - A red battery symbol indicates that the battery is almost empty and should be replaced soon. Any other readings shown are still valid.
✗	🔋	☀️	💧	🏠	🏠	<b>Reflective</b> - The 1st (contact) surface is more reflective than the expected range for <b>low-e</b> or Pilkington Activ™ coatings. See our troubleshooting guide on our website for more details.
✗	🔋	☀️	💧	🏠	🏠	<b>High Ambient Light</b> - There is too much ambient light (e.g. bright sunlight) to make a measurement. Try re-orientating the detector or shielding it from the direct source of light.
✗	🔋	☀️	💧	🏠	🏠	<b>Low Battery</b> - The battery is too low to make a measurement - you <b>must</b> replace the battery before attempting further measurements.
✗	🔋	☀️	💧	🏠	🏠	<b>Error</b> - The internal test procedure has detected a fault. Check the detector on a known good sample of glass. If the error status remains the detector may be faulty. See our troubleshooting guide on our website for further assistance.

**Note 1.** The original e-Activ detectors display just the battery symbol when fired into fresh air, the Bioclean capable units add a flashing "X". This feature can be used to tell them apart.