GlassMeter800K
U Value Meter For IG.

The calculation method of heat transfer coefficient U value (or K value) is based on the following standards: ISO 10292, EN673, JGJ/T 151, ISO 15099, NFRC 100.

Multi-functions in one
Measure thickness
Low-E side
U Value
Fast measuring
Portable

Introduction

This instrument is used to directly measure the glass thickness, air space, detect Low-E side of DGU or triple glazing units, and then calculate the E value and U value (or K value) , which has the advantages of portable design, simple operation and fast measuring speed. It is especially suitable for on-site measurement of existing building glass, doors and windows.

Functions

Nondestructive measure the U value.
Detect the Low-E side, measure E value
Measure the thickness of DGU or triple glazing units.

Functions

This instrument is suitable for single Low-E glass, double glazing or triple glazing which the number of Low-E side is not more than two.

Parameters

<table>
<tr><th>Item</th><th>Parameter</th><th>Item</th><th>Parameter</th></tr>
<tr><td>Dimensions (mm)</td><td>240mm×135mm×50mm</td><td>Weight(g)</td><td>800g</td></tr>
<tr><td rowspan="2">Max thick triple glazing units</td><td rowspan="2">6+16A+6+16A+6</td><td>Min size (mm)</td><td>200mm×100mm×2mm</td></tr>
<tr><td>Working time</td><td>10h</td></tr>
<tr><td>Charging time</td><td>3h</td><td rowspan="2">Battery capacity</td><td rowspan="2">ICR 18650，
3.7V，2200mAh</td></tr>
<tr><td>Power supply</td><td>5V，2A</td></tr>
<tr><td>Working temperature</td><td>0~40°</td><td>Operating conditions</td><td>＜90% relative humidity</td></tr>
<tr><td rowspan="4">Max
Allowable error</td><td rowspan="2">U value (K value)</td><td colspan="2">±0.1 （U＜2.0）</td></tr>
<tr><td colspan="2">±0.2 （U≥2.0）</td></tr>
<tr><td rowspan="2">Thickness</td><td colspan="2">±0.1mm（contacted glass）</td></tr>
<tr><td colspan="2">±0.2mm（noncontacted glass or space）</td></tr>
<tr><td>Restrictions</td><td colspan="3">It can not measure glass with scattering characteristics such as patterned glass, colored glazed glass and frosted glass.
The max allowable error is ±0.2mm for the thickness less than 20 mm.
Avoid direct sunlight when measuring.</td></tr>
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Remark:Aoptek reserve the right to modify the information, the actual instrument & manual be as final.