

Our software is called a U-value calculator. We have noticed that the U value is an important reference value for material selection and size measurement in the actual design of building engineering, so we want to design a software to make the calculation faster. The main function of the software is to calculate the U value based on the known heat, temperature difference and area. This software is easy to use. Input relevant parameters and click “计算” to get the U value. Click “清除” to eliminate all numbers in the software.



To meet the diverse needs, the software can calculate the remaining unknown through any three known numbers, such as the known U value, area, and heat, to calculate the temperature difference. The value of U, also known as Thermal Transmittance, represents the rate of heat flow in Watts (W) across a particular thickness of a material or a group of materials and across a temperature difference of 1K. U-value is obtained by dividing Thermal Conductivity or k-value (λ) by distance. Shown by Equation 1.

$$U = \frac{\lambda}{d} \quad \text{Eqn.1}$$

Similar products on the market mainly for building heat calculator and analysis company, by manual analysis and calculation.