

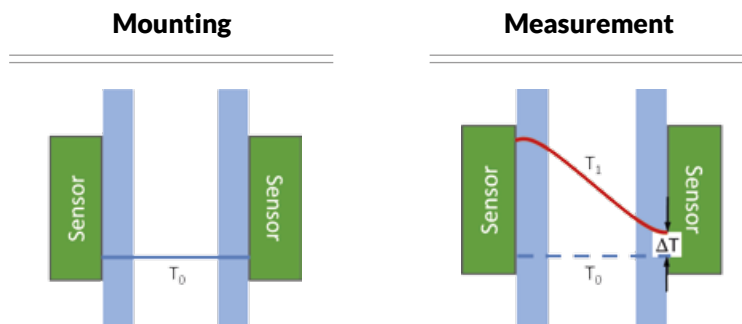
The mobile Ug-value measuring instrument

— **Ug**lass[®]
by **NETZSCH**



If information about a given glazing is unavailable – or if there is any uncertainty about its insulation value – the Uglass mobile Ug-value measuring instrument can be used to make determinations. A sensor is mounted to the glazed panel and heats it on one side while the temperature increase, T , is detected on the opposite side. The progression of temperature is analyzed as a function of time and, using this information, the Ug-value of the glazing is determined. The sensor is easily mounted onto the panel using a suction pump. Evaluation is dynamic, so measurements usually only take a few minutes.

With typical measuring times of 10 minutes for double glazing and 20 minutes for triple, the instrument covers the entire spectrum of Ug-values relevant today, from 0.5 W/(m²K) to 4 W/(m²K). Measuring precision is in the range of ±10%.



Specifications

Uglass measuring tolerance ($U_g < 1,0 \text{ W}/(\text{m}^2\text{K})$)	± 0,1 W/(m ² K)
Uglass measuring tolerance ($U_g > 1,0 \text{ W}/(\text{m}^2\text{K})$)	± 10 %
Uglass measuring time	10-15 min
Uglass application temperature	-10 ... 60°C
Uglass reproducibility ($U_g < 1,0 \text{ W}/(\text{m}^2\text{K})$)	± 0,1 W/(m ² K)
Uglass reproducibility ($U_g > 1,0 \text{ W}/(\text{m}^2\text{K})$)	± 10 %
Uglass temperature range (heating element)	RT ... 150°C

The instrument is shipped with all accessories in a stable transport case.



www.ug-wert-messen.com

NETZSCH

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