# Overview thermal conductivity analysers **HLC**

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|---|---|---|---|---|---|---|---|---|
| Method of thermal conductivity measurement | **Heat flow meter method** according **ISO8301:1991**, **EN12667:2001** and **EN1946-3:1999** | | | | | | | |
| Arrangement with one specimen according **ISO8301** | symmetrical | | | | | | | |
| Number of heat flow meters | 2 | | | | | | | |
| normal Lambda measurement range [mW/(m*k] | **5...200** | | | | | | | |
| Accuracy | **< ± 3%** | | | | | | | |
| Repeatability | **< ± 1%** | | | | | | | |
| Calculation of thermal resistance | yes | | | | | | | |
| Specimen positioning | electromotorical with automatic thickness-measurement, selectable pressure or distance | | | | | | | |
| Scope of delivery operation software for WINDOWS-PC | **WinHLT#** with selectable language deutsch, english, français, español, italiano, polska | | | | | | | |
| Test report print according **EN12667:2001** on meas end | automatically and also selectable as pdf | | | | | | | |
| Manufacturer direct service; guarantee | **3 years** | | | | | | | |
| Maximum specimen thickness [mm] | **60** | | | **100** | | | **200** | |
| Specimen format [mm] | **200*200** | | | **300*300** | | | **500*500** | |
| Model | **HLC A206** | **HLC T206** | **HLC X206** | **HLC A310** | **HLC T310** | **HLC X310** | **HLC T520** | **HLC X520** |
| Construction | desctop | bottom stand analyser | | desctop | bottom stand analyser | | bottom stand analyser | |
| Mean temperature [°C] | **23** | **10** | **10...50** | **23** | **10** | **10...50** | **10** | **10...50** |
| Ambient temperature [°C] | **23 ±1** | **15...32** | | **23 ±1** | **15...32** | | **15...32** | |
| Measchamber tempered to | ambient temp. | active on mean temperature | | ambient temp. | active on mean temperature | | active on mean temperature | |
| Case sensitive area [mm] | each 100 | | | each 150 | | | each 200 | |
| Width of non-metering area [mm] | each 50 | | | each 75 | | | each 150 | |
| Specimen thickness range [mm] | 15...60 | | | 15...100 | | | 20...200 | |
| Electrical pressure positioning [N] | 100 | | | 225 | | | 625 | |
| Temperature difference heat- / coolplate [K] | standard 16 +/-0,01 | | selectable | standard 16 +/-0,01 | | selectable | 16 +/-0,01 | selectable |
| Calculation of λ10-Value according **ISO10456** | yes | - | | yes | - | | - | |
| Instrument Size (W*H*D) [mm] | 600*750*600 | 650*1520*800 | | 600*750*600 | 650*1520*800 | | 795*1880*872 | |