



## Hukseflux LP02 Heat Flux Plate/Heat Flux Sensor

LIGHT

LP02



- IM506D
- IM507D
- IM508D
- CZ-LITE
- CMP3
- CMP6
- CMA6
- LP02

LP02 serves to measure the heat that flows through the object on which it is incorporated or in which it is mounted. The actual sensor in HFP01 is a thermopile. This thermopile measures the differential temperature across the ceramics-plastic composite body of LP02. Working completely passive, LP02 generates a small output voltage proportional to the local heat flux.

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|---|---|
| <b>Sensitivity (nominal):</b>                   | 50 $\mu\text{V}/\text{Wm}^2$                                  |
| <b>Temperature range:</b>                       | -30°C to +70°C  |
| <b>Sensor thermal resistance:</b>               | < 6.25 $10^{-3} \text{ Km}^2/\text{W}$                        |
| <b>Range :</b>                                  | +2000 to -2000 $\text{Wm}^2$                                  |
| <b>Calibration traceability:</b>                | NPL, ISO 8302 / ASTM C177                                     |
| <b>Expected typical accuracy: (12hr totals)</b> | within +5/- 15% in most common soils, within +5/ -5% on walls |
| <b>Part.no. LP02</b>                            | Hukseflux soil heat flux sensor with holder                   |