

## Product certificate

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 Release date: 17 JAN, 2019

Product code **HFP01-10**  
 Product identification **serial number 15612**  
 Product type heat flux plate / heat flux sensor  
 Measurand heat flux

### Calibration result

Sensitivity  **$S = 60.75 \times 10^{-6} \text{ V}/(\text{W}/\text{m}^2)$**   
 Calibration uncertainty  **$\pm 1.82 \times 10^{-6} \text{ V}/(\text{W}/\text{m}^2)$**

the number following the  $\pm$  symbol is the expanded uncertainty with a coverage factor  $k = 2$ , and defines an interval estimated to have a level of confidence of 95 percent

Measurement function  $\Phi = U/S$   
 With  $\Phi$  heat flux in  $[\text{W}/\text{m}^2]$ , U voltage output in [V]

### Product specifications

1: cable length **10 m**

**Table 0.1** connections

WIRE		MEASURING SYSTEM
White	signal [+]	voltage input [+]
Green	signal [-]	voltage input [-] or ground
Black	ground	analogue ground

Calibration procedure according to Hukseflux HFPC01.  
 Traceability of calibration is to SI units.

Please consult the user manual for information on measurement uncertainty during actual use and for product set up, operation and maintenance instructions.

### Calibration performed by:

M. Brockbernd

### Date:

15 JAN, 2019

### Person authorising acceptance and release of product:

H.E. Brouwer

### Date:

17 JAN, 2019