



HF-30S Heat flux sensor

Technical Specifications

Thinnest heatflux sensor on the market

Large area sensor

Low thermal resistance

Weather proof

The HF-30S is a large area (300 x 300mm) thin foil heat flow sensor. Due to its large size it gives properly averaged thermal conductivity results for large areas without the potential risk of measuring local hot spot effects or thermal bridges.

The low output Voltage of the heat flow sensor can be easily converted to a 4-20mA current or higher Voltage using the MS-4..20mA converter. The mV/mA converter can be pre-programmed and optimized within the operating range compatible with common measurement equipment.

	HF-30S
Response time 95%	28 Sec.
Sensitivity	Approx. 100 $\mu\text{V/W/m}^2$
Thermal resistance	Approx. 0.0016 $^{\circ}\text{C}/(\text{W/m}^2)$
Impedance	400 - 800 Ω
Operating temperature range	-30 - 120 $^{\circ}\text{C}$
Cable length	10 m
Dimensions mm	300 (L) x 300 (W) x 0.5 (H)
Weight	0.12 kg
Ingress protection IP	-
Substrate	Glass epoxy
Cladding	Epoxy

Options	HF-30S
Cable length	Without cable m

Specifications are subject to change without further notice.