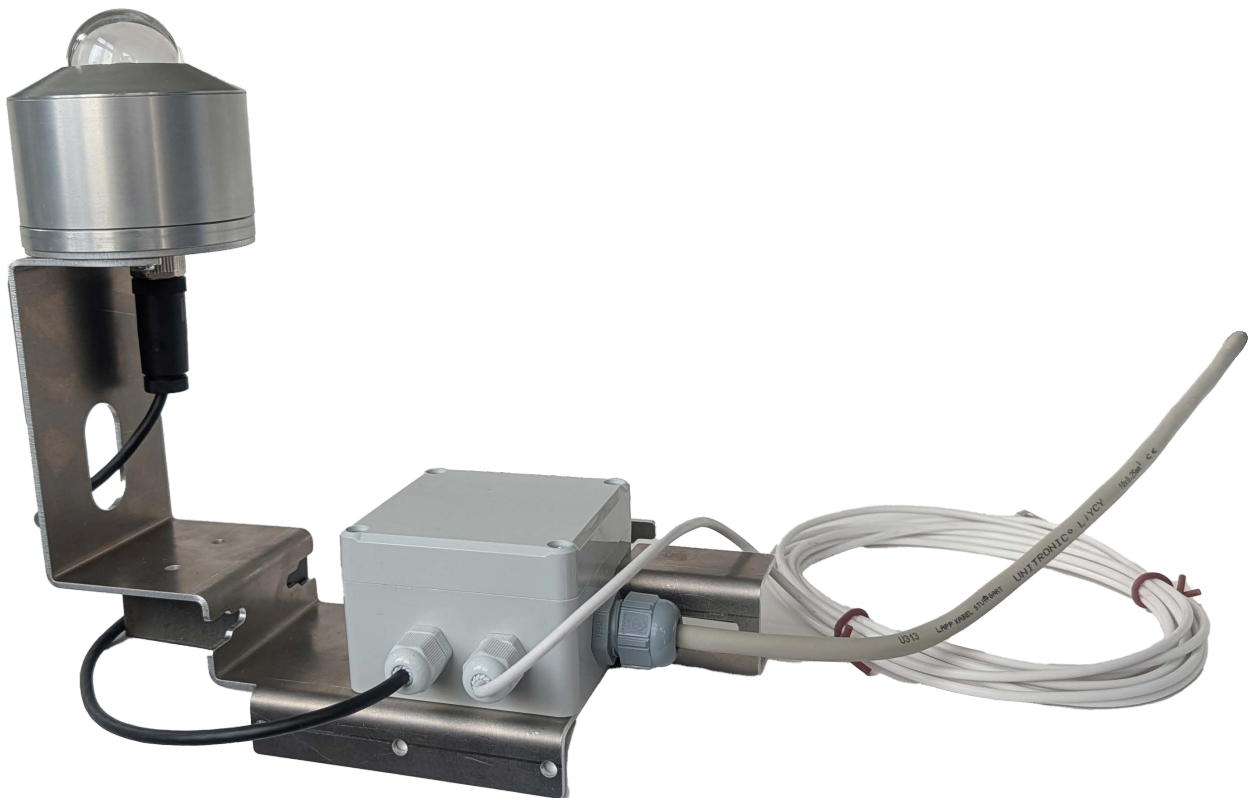


# PV-Sensor Kit

Temperature & Irradiation Measurement

*PV – Sensor Kit for the Solar Hydrogen Extension System (SHE)  
and Solar Outdoor Trainer (SOT)*



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# Introduction

## PV-Sensor Kit

The PV Sensor Kit extends the Solar Hydrogen Extension System (SHE) or the Solar Outdoor Trainer (SOT) with precise temperature and irradiation measurement capabilities. It enables students to correlate environmental conditions with photovoltaic performance and hydrogen production.

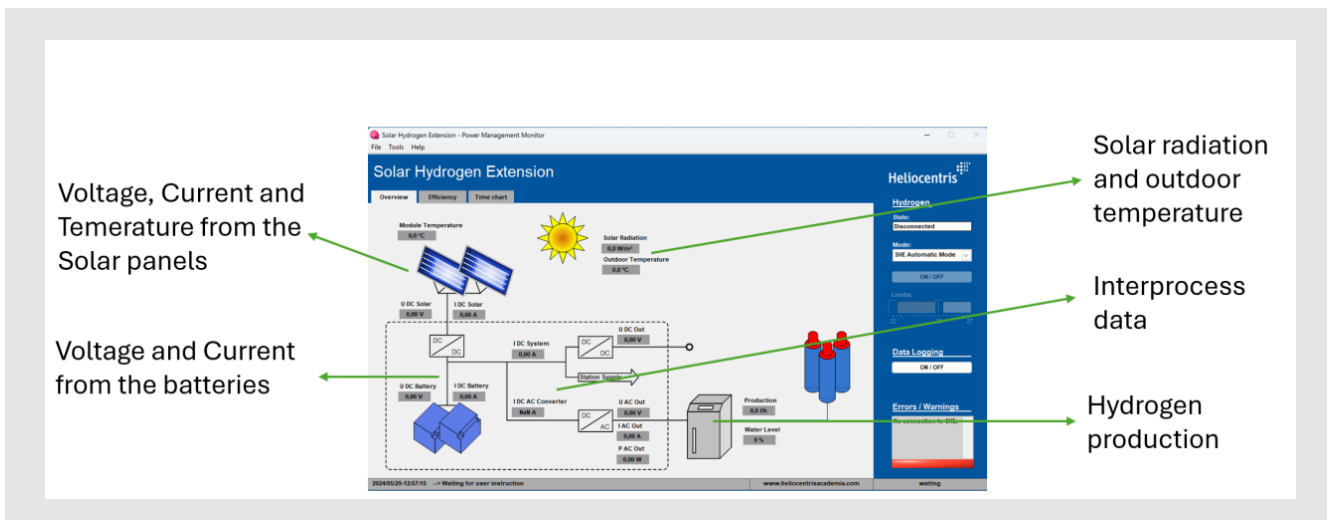
## Kit Contents

- » 2× Temperature sensors (PT100) – panel surface and ambient
- » 1× Irradiation sensor (Pyranometer GSM 3.3)

All sensors connect to the SHE or SOT via a single 16-pin connector. Measured values are displayed in real time in the SHE/SOT software.

## Software Integration

The SHE software main window displays all sensor data alongside the system overview: solar panel voltage, current and temperature; battery status; solar radiation and outdoor temperature; interprocess data and hydrogen production status.



# Technical Data

General	
Ambient temp.	-20 ... +60 °C
Electr. connection	Connector with 16 m cable
Dimension	Approx. 240 × 140 x 250 mm
Weight	0.850 kg
Radiation	
Measuring range	0 – 1,300 W/m <sup>2</sup>
Sensor type	Silicon photodiode
Spectral range	380 – 1,100 nm
Temperature sensors	
Temperature sensors	PT100
Quantity	2x

# Product Overview

PV-Sensor Kit



## PV-Sensor Kit

- » Irradiation sensor
- » Temperature sensors

Item No. 821

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