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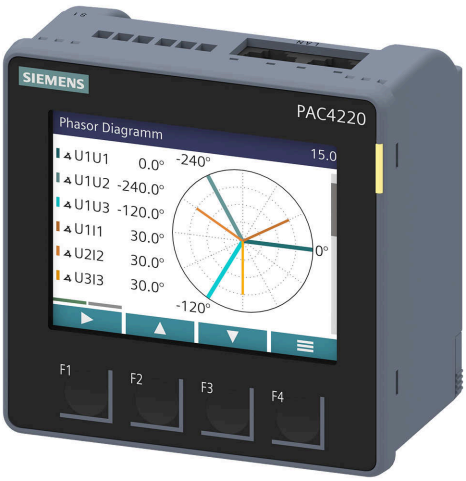
## SENTRON PAC MEASURING DEVICES 7KM

# Siemens EcoTech Profile

## SENTRON 7KM




**Secondary materials**
The main part of the product housing is made of plastic where more than 50% of the feedstock resources were replaced with bio-circular resources.

**Minimum material use**
Reduced building size of new generation compared to predecessor in order to save resources in manufacturing phase and space in cabinets.

**Energy efficiency**
Efficient design of internal power supply. Also includes features such as power saving methods like dimming display backlight or shut down of display completely.

**Maintenance possible / Updatability**
Firmware and latest cyber security updates can be applied.

**Packaging**
Digital documentation via ID Link saves paper documentation.

**Durability / Longevity**
Long lifetime and low failure rate of the device.

**Upgradability**
Broad range of accessory parts enable functional upgrades of existing applications (e.g. for retrofit).

**Compliant with substance regulations**
Protect people and environment by avoiding substances of concern.

**EPD Type II available**
According to ISO 14021 including Life Cycle Impact Assessment (LCIA).
The Environmental Product Declaration (EPD) provides transparency on the environmental impact of the product throughout its life cycle (e.g. Product Carbon Footprint (PCF) data).

Scan for Environmental Product Declarations (EPD) and further technical information.

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**Range of application**
This Siemens EcoTech Profile is valid for SENTRON 7KM.

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## Further information on the product

### Sustainable materials:

**Secondary materials**

- The bio-circular resources used are derived from waste, agricultural and municipal waste and calculated based on the biomass balance approach.

**Minimum material use**

- Saving in weight of more than **15%** (PAC4220 vs. PAC4200).

**Packaging**

- Future projected savings of **2.4 t** of paper per year compared to today's portfolio (including PAC3x20 is in ramp-up).

### Optimal use:

**Energy efficiency**

- More than **40% savings in power consumption** compared to previous product.
- Device is an enabler for energy efficiency measures / energy management as per ISO 50001.

**Durability / Longevity**

- Experience with product for more than 15 years shows long-lasting functionality with **MTBF rates** between **90 and 180 years**.

**Maintenance possible / Updatability**

- Updates available via SIOS offering regular vulnerability fixes and feature updates via PowerConfig.

### Value recovery & circularity:

**Upgradability**

- Broad range of accessory parts enable functional upgrades of existing applications (e.g. expansion module with additional digital inputs and outputs, communication modules with different types of communication systems).

## Our production facilities

Our goal is clear: All Siemens production facilities and buildings worldwide are to achieve a net zero-carbon footprint by 2030. Today, all Siemens EcoTech products are manufactured in production facilities using 100% renewable electricity.

And the ambitions go much further. The management systems implemented in our production facilities reduce the environmental impacts of our sites. Furthermore, we ensure fair treatment and respect for our people. More information about the 360° view on Siemens' sustainable transformation: Learn more about our DEGREE framework

Scan for more information on the Siemens EcoTech framework

## Our Robust Eco Design process

The Siemens Robust Eco Design (RED) approach provides the foundation for integrating Ecodesign systematically into our product development and allows us to derive Ecodesign specifications that are advantageous from an environment point of view while meeting our own sustainability goals as well as those of our customers and suppliers. The RED approach involves three phases:

**Application perspective**
Definition of relevant product families, identification, and prioritization of Ecodesign requirements from stakeholder expectations.

**Solid foundation**
LCA-based assessment of environmental impacts for representative products along the entire life cycle, communicated via EPD.

**Dematerialization**
Evaluation of quantitative environmental impacts of Ecodesign and of further requirements, derivation of improved design specifications wherever reasonable.

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