

SITRANS LT500

Siemens EcoTech Profile

The next evolution of level, flow, and pump control



Minimum material use

Bundling of functionalities in one device leads to significant material savings.



Packaging

The packaging is reduced compared to the predecessor product and is also 100% paper-based and recyclable.



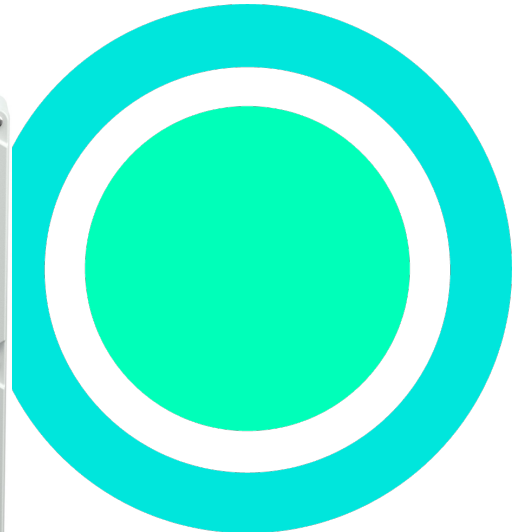
Durability / Longevity

The product features a MTBF of over 450 years.



Maintenance possible / Updatibility

Software / firmware updates are available to keep the product up to date.



Repairability

Reliable repair services and supply of spare parts available. The product design supports easy repairability.



Upgradability

Functional upgrades can be achieved via firmware updates as well as through add-on hardware.



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.



Range of application

This Siemens EcoTech Profile is valid for all products in the range of SITRANS LT500.

Further information on the product

Sustainable materials:



Minimum material use

- Combining the measurement functionality of 2 devices into 1 reduces the total weight and volume by **50%** compared to the predecessor product.



Packaging

- Simplified packaging design reduces total weight by **> 25%** and the total size (volume) by **> 65%**.
- The product features a QR code which directs the user to all up to date certificates, instruction manuals and support materials.

Optimal use:



Durability / Longevity

- Compared to its predecessor, the MTBF is **4x longer**, increasing reliability and extending service life.



Maintenance possible / Updatability

- Software and firmware updates are provided in SIOS to keep the device up to date for the lifetime of the product.

Value recovery & circularity:



Repairability

- Professional repair service located in three regions globally (Canada, France, China) and spare parts supply available to ensure fast and reliable support.



Upgradability

- Firmware updates for new functionality are available in SIOS and add-on orderable hardware for integration into industrial fieldbus communication protocols.
- Upgrades in the field are possible without replacing the base unit.

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.