

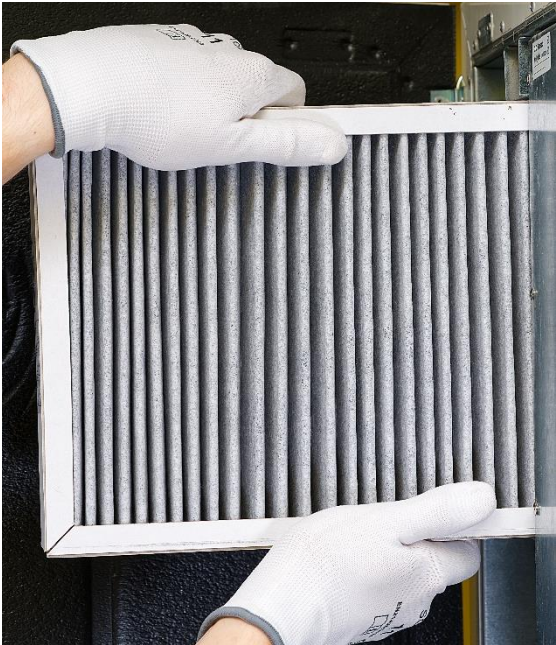


Ventilation Filter Monitoring and Energy Optimisation with the IOTSU® IMPACT Solution

IOTSU® IMPACT N12 enables monitoring the condition of filters and energy consumption optimisation of ventilation units. Device measures pressure difference across the filter. An increased pressure difference indicates a clogged filter. Changing the filter too early will lead to extra costs and clogged filter causes increases energy consumption.

Solution Features:

- Measures both sides of the filter and allows you to monitor the changes in the pressure difference.
- Helps to identify a clogged filter for well-timed replacement.
- Prevents unnecessary energy consumption due to poor filter conditions.



Measuring technology:	Measuring the pressure difference.
Use:	Monitoring the condition of filters in ventilation units.
Enclosure:	Enclosed for demanding conditions.
Power supply:	2 long-life lithium batteries.
Network connection:	Wireless NB-IoT network.

IOTSU® IMPACT N12 solution can be extended with additional services. We deliver complete package with Ready-to-go solution if needed. See next page for additional services.





Company: Small Data Garden Oy
Product name: IOTSU® IMPACT N12
Rev: 1.2c_20th May 2025

Expand Your Solution with Additional Services:

Real time Remote Monitoring and Alerts

Measurement data can be analysed and visualised clearly with IOTSU® Cloud solution in real time. Web based service operates without software installation. The service provides graphs and history data and with ability to set alarm thresholds and control commands. You can create new users and reports from a selected period.



Reliable and Secure Connection in Elisa's Network

Our solution operates with the IoT-connection provided by Elisa which guarantees reliable and secure data transmission. Elisa's network has extensive coverage across Finland and is suitable for demanding needs. In addition, Elisa's has broad international network of roaming partners in Sweden and other countries.



Pre-configured Device Solution

We can configure devices to your exact requirements with the measuring heads, cables and SIM cards installed and with settings programmed at our factory. This will significantly speed up deployment and reduce installation work at the site.



Need all this Ready to Go?

Choose Ready-to-go package where device, connection and visualisation create seamless package. You don't need to worry about configuring, installing or connecting. We provide whole solution ready for use.