

Condition Monitoring in Demanding Environments Using the IOTSU® IMPACT Solution

IOTSU® IMPACT N12 is suitable for condition monitoring in demanding environments. The solution measures temperature and humidity with an external probe. It provides information on environmental conditions in places such as electrical and fibre cabinets, production and storage facilities, and other similar spaces. With help of external probe measurements can be collected in hard-to-reach places.

Solution Features:

- External temperature and humidity probe.
- Enclosed for demanding conditions. Protected from dust, humidity and mechanical stress.
- Data is transmitted wirelessly over the NB-IoT network without any local network infrastructure.



Measurements:	Temperature and humidity
Measuring head:	External probe connected to I2C bus.
Operating environment:	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.