Climate monitoring with plug and play

Gain easy and affordable entry with our starter pack

In times of changing climate and increasing energy costs it is becoming more important to act sustainably and take measures to reduce your own carbon-dioxide emissions and save energy. The challenge for municipalities and estate owners is to identify savings potential and deficiencies at low costs and take the most effective measures. A reliable data base is needed to enable sustainable decisions and tracking. The VIVAVIS Plug and Play starter pack is our comfortable and simple entry into climate monitoring, data collection and evaluation.

Climate monitoring is based on a simple principle: sensors installed inside or outside buildings record temperatures and humidity. Visualization helps you detecting long-term trends. Messages inform you in case defined thresholds are exceeded and enable appropriate reaction. This sounds quite simple, possible use cases however are manifold.

Use cases and players
The broad range of application not only includes help in securing properties, plants, installations and cultural assets such as, for example, churches and mosques as sensors can be used to optimize heating and ventilation concepts. Sensors may also serve as basis for decisions regarding extensive reconstruction measures. Not only money but also paramount objectives often play an important role such as local energy transition, achieving climate goals and increase sustainability. An improved quality of housing and living strengthens your position as innovative and attractive landlord.

However, not only municipalities benefit from climate monitoring options. In principle, climate monitoring is an opportunity for everyone involved in managing and maintaining properties. Municipalities, for example, may monitor office or residential, housing, venues or museums. Other property managers may monitor, for example, branches of supermarket chains, university campuses or hospitals. Another conceivable alternative would be operating climate monitoring infrastructures as service provider. Energy suppliers, for example, could act on behalf of municipalities; building contractors could represent property owners in the context of repairing damages caused by water.

Climate monitoring may already serve as basis for extensive energy monitoring.

Stop hesitating and put monitoring into action with the Plug and Play starter pack
Some examples mirror your own situation or your own ideas for implementation? You are eager to start measuring without creating the need for significant investment? With our starter pack, you gain easy and affordable entry into climate monitoring without any running costs. You rent required sensors including SIM cards and access to the VIVAVIS dashboard for one year. After the first year, you decide which sensors you would like to keep and what kind of visualization you would like to continue.

Humidity and temperature sensors support the following use cases among other:
- **ventilation monitoring**
- **moisture monitoring** in general or in specific occasions to control and monitor drying processes after water damages
- **mould prevention** in general to monitor heating or after water damages

Performance features:
- Fully battery operated
- Battery life time according to the manufacturer approx. 2-4 years, depending on ambient air temperature and measuring interval
- Storage and visualization in the VIVAVIS Dashboard

Sample sensors

Scope of delivery:
- Sensors and SIM card: 5 NB-IoT temperature/humidity sensors (indoor use)
- Access to the VIVAVIS Dashboard for one year (single user)
- Optional NB-IoT temperature/ humidity sensors (outdoor use)

The starter pack required internet access and available NB-IoT network. When placing your order, we will verify the availability and choose the best suitable provider to guarantee proper operation.

Advantages of the VIVAVIS Plug and Play starter pack
Being able to immediately start your project definitely gives you a clear advantage. Every component is ready for operation right from the start and widely independent from the surrounding infrastructure. Installation and commissioning do not require any technical expertise. You do not need any sockets or power supply. Smartphone or tablet offer easy operation and access.

If required, you can operate several starter packs in parallel – there are almost no limits to scalability. There are manifold extension options: you may use other communication technologies in addition or even integrate sensors or data provided by the starter pack into, for example, geographical information or asset management systems. In case sensors are required in other projects, you can remove them quickly and put them into operation at the new location.

Are you interested in learning more about the starter pack and its use cases?
Your sales contact for Metering/Districts is looking forward to answering your question!
https://www.vivavis.com/en/contact-persons/