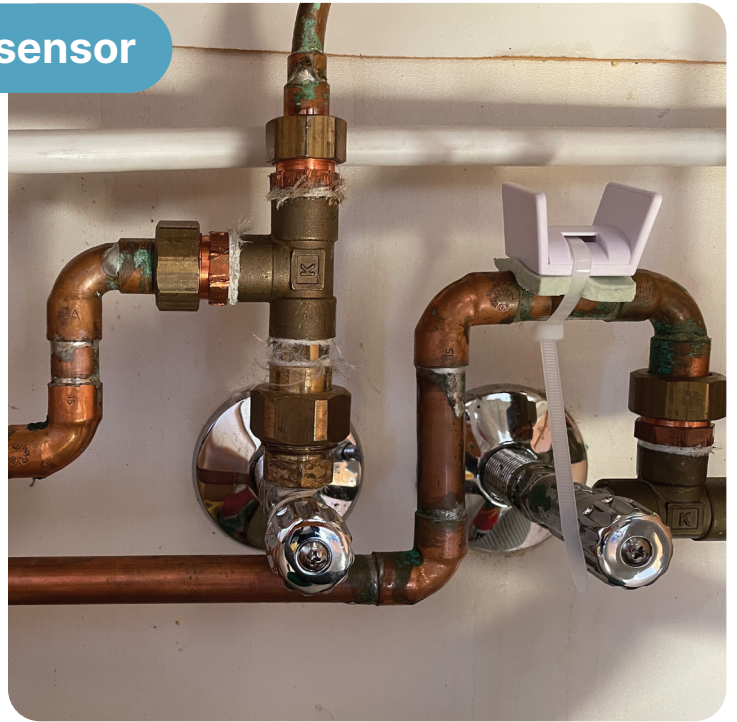


Overview of the temperature in your pipelines.

The Pipe Sensor is a small, wireless sensor that attaches to the outside of pipes to measure their temperature – for example, on the incoming water supply and wastewater lines of your supplier. The installation is simple with the provided kit, which includes a range extender, a thermal pad, and a fastening strap.

The sensor measures the surface temperature of the pipe, allowing the water temperature inside the pipe to be calculated by estimating the difference between the water and pipe temperatures. The data is transmitted to the RoomAlyzer System via a Cloud Connector, which manages multiple sensors and large areas simultaneously.



The Pipe Sensor is part of the RoomAlyzer System, which you can access via an app on PC, mobile, or tablet. Here, you will get a clear overview of your data, and you can analyse raw data as well as view charts over both short and long periods.

Know the temperature – and gain all the benefits



Optimising heat efficiency

By measuring the temperature difference between the incoming water supply and wastewater lines, you can assess how efficiently the heating system is utilising the heat supplied. A large difference indicates effective heat transfer, while a small difference may suggest energy losses.



Less CO2, fewer faults, and better comfort

A lower return temperature makes it easier for your supplier to reuse energy and reduce CO2 emissions. If the temperature is too high, it could indicate issues such as faulty heat exchangers or valves. A uniformly heated environment also increases comfort for users.



Energy savings and lower heating costs

If the temperature of the wastewater is too high, it means that not enough heat has transferred to the building. By optimising heating systems, such as radiators or underfloor heating, the return temperature can be reduced, which often leads to lower heating costs.

Features and Specifications

High data security

The Pipe Sensor sends data to the user-friendly RoomAlyzer System via a Cloud Connector with SIM card – without the need for Wi-Fi. This means that the sensors send data directly to the mobile network, without accessing your local network.

You benefit from high data security as there are no interfaces to your other systems. Additionally, the data is non-personally identifiable, and our server park is located in Germany.

Features

Control software:	Webapp/App
Open API:	Data available on other platforms
IFTTT:	Notifications when threshold is exceeded
Temperature:	40 to 85°C
Humidity:	0 to 100% RH (non-condensing)
Activation:	By pressing the sensor
Application:	Temperature measurement in various pipe types
Sensor:	CE-, UKCA- and WEEE-certified

Specifikationer

Includes:	MICRO temperature sensor, range extender, and thermal pad
Dimensions:	19 × 19 × 3.5 mm (MICRO temperature sensor)
Communication:	Cloud Connector (Gateway) via SecureDataShot protocol
Mounting:	Fixing with strip around the pipe, range extender, and thermal pad
Accuracy:	Temperature ±0.25°C
Battery:	Up to 15 years (non-replaceable)
Manufacturer:	Disruptive Technologies