



WIRELESS **COMPOSTING** TEMPERATURE MONITORING

END-TO-END SOLUTION TO MEASURE
AND MONITOR TEMPERATURES FROM
COMPOSTING WITH ONLINE TOOL FOR
DATA ANALYSIS.

What does monitoring solution include?



TEMPERATURE PROBES

Temperature probes are placed inside the compost pile. It include one or two measuring points collected by a wireless transmitter.



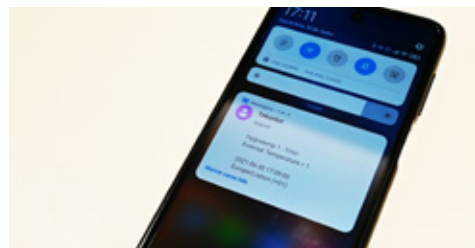
DATA

Wireless transmitter send the data to the receiver that sends the data to the online platform of data analysis and view.



REGISTER AND VISUALIZATION OF DATA

Temperature registers can be viewed in real time on any device at any time.



ALARMS AND NOTIFICATIONS

On the platform, you can create alerts of temperature values (or lack of data) that notify users when these conditions occur in the process.

Stainless steel mounting bracket

Solar panel

Primary or rechargeable batteries

Wireless transmitter

Magnetic Switch

Customizable probe (with two measuring points)

MAIN FEATURES

- Continuous temperature monitoring
- Scalable solution up to 55 transmitters
- Quick implementation
- Traceability
- Process reports
- Composting process optimization
- Prevention of work accidents
- Calibrated temperature probe

How it works?



VISUALIZATION AND ANALYSIS OF TEMPERATURE REGISTERS

The automatically recorded values are immediately available on Tekon IoT Platform, a platform for data visualization.

It is a tool for graphical representation of data with advanced analysis features, periodic reports, alarms and notifications and much more.

Which are the key features of our monitoring solution?

POWERED BY BATTERIES AND SOLAR PANEL

The wireless transmitter and continuous monitoring in real time are guaranteed by a power system of primary batteries or batteries rechargeable through solar energy. You can install the probe and monitor the status of batteries that power the system.

MAGNETIC SWITCH

Whenever you complete a composting process or want to move the probe, the monitoring process can be interrupted by a magnetic switch that ceases the power to the system.

MEASURING POINTS

Each temperature probe can integrate up to two measurement points that monitor process temperatures at different depths. Optionally it is possible to carry out calibration in an accredited laboratory.

CUSTOMIZABLE SOLUTION

The monitoring system can be customized and adapted according to requirements. In the process of building the solution, there is a list of options that can be linked.

Possible Applications



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