

TRACTION

Instruction Manual

# Uni Trac





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## TRACTIAN System

Through online and real-time monitoring of machine condition, the TRACTIAN system provides solutions to optimize day-to-day processes and reliability.

The system integrates analog and digital sensors with mathematical models, generating alerts that prevent unplanned equipment downtime and high costs resulting from inefficiencies.

## Uni Trac

The Uni Trac sensor samples analog and digital data through a universal physical interface, processes the data, and sends it to the platform via the Smart Receiver Ultra.

The Uni Trac is powered by a lithium battery and has a 3-year lifespan on default settings.

Simply attach the sensor to the asset, configure the interface, and start using the system.

## Installation

The ideal installation location for the Uni Trac depends on the interface used.

As the device communicates via radio waves, it is important that it is not installed inside metal panels, which act as signal blockers.

The sensor is IP69K rated, designed to be used in harsh environments and withstand adverse conditions, such as water jets and dust.

## Smart Receiver Ultra

The Smart Receiver Ultra communicates with sensors within a range of 330 feet in obstacle-filled environments and 3300 feet in open fields, depending on the plant's topology. To install more sensors or cover greater distances, additional receivers are required.

It is best to position the receiver in a high and central location relative to the sensors for optimal performance.

## Intuitive Platform

Data samples and analyses are intuitively displayed on the TRACTIAN platform or app, easily accessible via computer or mobile device, enabling integrations with other systems.

The platform also allows complete control of operations with an hour meter, correlation with different variables, and the creation of specific indicators.

## Fault Detection and Diagnosis

The unique TRACTIAN analysis system allows for precise detection of process faults.

The algorithms are constantly trained and optimized based on feedback from field analyses, and supervised by our team of TRACTIAN experts.

Thousands of data points are sampled daily in a system that identifies and diagnoses the operation in real time.



**DO NOT** place the device on surfaces with temperatures exceeding 230°F (110°C).



**DO NOT** expose the device to solvents such as Acetones, Hydrocarbons, Ethers or Esters.



**DO NOT** submerge the device.



**DO NOT** subject the device to excessive mechanical impact, dropping, crushing or friction.



TRACTIAN **DOES NOT** take responsibility for damages caused by the use of devices outside the standards defined in this manual.

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