



ADAPTIVE AGROTECH

Technology Adaptation for Food Security

Smart Distance Detection & IoT Sensor Solutions

for Agriculture and Automation

Precision Sensing. Smarter Machines. Connected Fields.

Adaptive AgroTech's distance detection ecosystem delivers high-accuracy measurement, intelligent analytics, and seamless IoT connectivity for agricultural robotics and automation.



Sense. Connect. Automate.

Industrial IoT sensing solutions with LoRaWAN, WiFi, CANBUS, and edge-ready integration.

LoRaWAN

WiFi

- ✓ Plug & Play Integration
- ✓ Multi-sensor Support
- ✓ Real-time Data Transmission
- ✓ Low Power & Rugged Design
- ✓ Built for Harsh Environments

OUR SENSOR SOLUTIONS

Multi-channel Distance Detection

High-performance multi-channel distance measurement system supporting multiple probe types for diverse applications.



- ✓ Distance measuring range: 5-80 cm
- ✓ Multi-channel support
- ✓ CANBUS & USB-Serial Interface
- ✓ Aluminum case - Rugged & Durable
- ✓ IoT-enabled (LoRaWAN / WiFi)
- ✓ Easy integration with robotics & vehicles



Steering Angle Sensor

Measures steering angle of articulated steering machines using precision laser distance detection.



- ✓ Dual distance measurement for angle calculation
- ✓ High precision & repeatability
- ✓ CANBUS interface
- ✓ Robust design for mobile machinery
- ✓ Ideal for articulated tractors & machines



Distance Detection Sensor

Compact distance detection unit based on LoRaWAN, with SD storage, and CANBUS support.



- ✓ LoRaWAN based
- ✓ SD card data logging
- ✓ CANBUS support
- ✓ Compact, lightweight & IP67 rated
- ✓ Easy mounting & integration

SENSOR INTERFACE OPTIONS

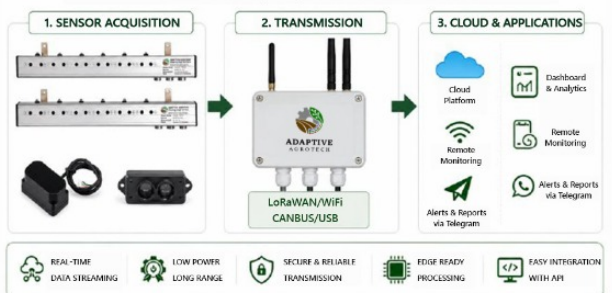


INTERFACE SUPPORT



SYSTEM INTEGRATION & DATA FLOW

Flexible connectivity. Multiple interfaces. Seamless data flow.



CONTACT US

+49 176 21624679
sale@adaptiveagrotech.com
www.AdaptiveAgroTech.com
Erich-Mendelsohn-Allee 1b,
14469 Potsdam, Germany
VAT ID No.: DE368893168



SMART DATA.
BETTER DECISIONS.
HIGHER YIELDS.



LEARN MORE

RELIABLE SENSING. SMART CONNECTIVITY. SUSTAINABLE AGRICULTURE.