



SPRAYER COMPUTER

with GPS and spraying
assistant



DESCRIPTION

The sprayer computer is a device that manages the operation of all executive elements of the orchard sprayer, i.e. section valves, main valve, control valve, column lighting, air shutter control.

The computer collects information about the current operating parameters of the performed procedure, including the working pressure of the liquid, the current liquid output (when using a flow meter), the level of silence in the tank, the speed of the sprayer and controls the control valve in order to maintain a constant, user-defined liquid output per ha. The operator has at his disposal a large, legible and touch-sensitive display, which presents all the parameters of the performed procedure. Current section operation is performed using a convenient and intuitive joystick.

The operator is informed on an ongoing basis about any irregularities in the operation of the machine using graphic, sound or SMS alarms.



COMPONENTS OF THE SYSTEM

BASIC SET



CONTROL
COMPUTER



GPS ASSIST



WIRE
HARNESSES



SPRAYER
MODULE



SPRAY
LIGHTING



* ADDITIONAL MODULES

Extending
functionality



RTK BASE STATION



AIR CONTROL
MODULE



AIR DAMPER
ACTUATOR



WIND DIRECTION
AND SPEED SENSOR

SENSORS:

- PRESSURE
- SPEED
- LIQUID LEVEL IN TANK
- AIR TEMPERATURE

BENEFITS OF USE



Full characteristics (which are not linear) of nozzles from the following companies have been entered into memory: TeeJet, Lechler, Albuz.



Simplified operation of turning sections on and off with a single joystick. Moving the joystick up turns on the left and right sections (previously marked for turning on), down turns everything off. Moving the joystick to the left turns on the left sections, and to the right the right sections. Another movement to the side turns off the given side.



Large, clear menu.



Ability to set various types of alarms: sound, graphic, SMS.



Wireless connection of the computer with the sprayer module.



Multilingual menu.



COMPUTERS



eSpray

Sprayer computer dedicated for use with **sprayers equipped with electrically controlled section and control valves**. Computer designed for users who value precision.

eSpray GSM

The sprayer computer with additional functionality has a **built-in GSM modem thanks to which it has access to the Internet and SMS communication with the user**. This version can be expanded with optional modules.

eSpray GPS ASSIST

Sprayer computer **with GSM modem and GPS Assist module**, which enables navigation and automatic switching on of valve sections when spraying orchards and plantations with precise accuracy.



eSpray PRO

Sprayer computer dedicated for use with sprayers equipped with electrically controlled section and control valves. **The eSpray PRO model is equipped with new software, which includes additional functionalities and a new interface**. The computer is integrated with the GOtrack App and the GOtrack Farm Manager application.

SOFTWARE:



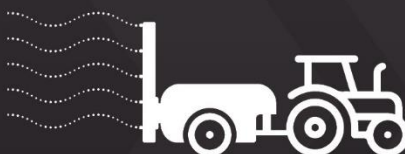
An application for mobile devices with the Android system for real-time monitoring of parameters of performed treatments and reviewing reports on the work performed.



Vehicle, Machinery and Farm Management Manager

ESPRAY SYSTEM FUNCTIONS

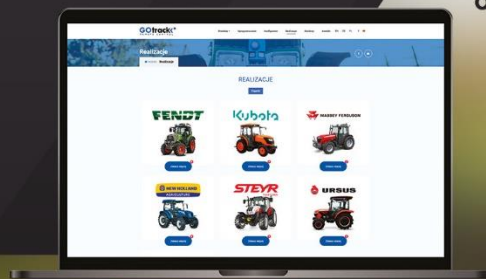
- > 1,2,3 section sprayer operation
- > support for various solenoid valves: coils and motors
- > operation of the flow meter, liquid level sensor, anti-drift system actuators
- > monitoring the cleanliness of the nozzles in the presence of a flow meter
- > computer compatible with GOtrack Auto DRIVE system
- > possibility of extension to higher hardware versions
- > 7-inch color touchscreen display
- > the ability to display the amount of liquid in the tank despite the lack of liquid level sensors or a flow meter



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