

nutraxHC10

Hydroponic Controller

The hydroponics motor

With **Agrotecna's nutraxHC10**, take your hydroponic production to the next level. Manage irrigation and fertilization with maximum precision. Designed to support every stage of your crop: modular, expandable, and reliable, capable of adapting to your needs and ensuring agile, safe, and efficient management.



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Technical Specifications

Set up irrigation and fertilization programs, activate valves, control injectors, and monitor key parameters in real time with full autonomy.

Irrigation programs: Up to 4 time windows, with adjustable start and stop times.

Fertilization programs: Definition of pH and EC setpoints, with automatic monitoring and corrections; configurable injection rate and flow.

Injection (pumps): Basic configuration with 3 peristaltic pumps for concentrated solution (A, B, and pH acid), expandable up to eight pumps. Maximum flow rate: 11 L/h. Also available with variable-flow peristaltic pumps (1-100 L/h).

Alarms: Notifications of pH and EC out of range, and of irrigation absence detected through pressure measurement.

Event logs: Historical record of injected volumes, pH and EC values (measured and corrected), and executed irrigations.

Options: Tank volume/level measurement with automatic filling. Oxygen (ORP) measurement. Control panel for irrigation pump, dosing pumps, and controller, mounted on anodized aluminum rack.

Local control interface: 7" color touchscreen, easy to use and view..

Remote management: Online multi-platform access (computer, laptop, tablet, or smartphone), with no software installation required. Real-time connectivity via MQTT protocol over WiFi network.



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