



KS200E IoT fertigation mixer เครื่องผสมปุ๋ยอัตโนมัติ



- Multi-channel dispensing with up to 6 channels per machine and stable flow rate using self-priming peristaltic pumps
- Food grade materials with long lifetime
- Advanced programming, process automation and visualization options from simple to complex depending on your requirements
- Fully automated and manually controlled work-flows supported
- Integrated with all other Karrot Sensor controllers for full workflow control
- Integrated WiFi SoC (NodeMCU v3) pre-flashed with Tasmota (Home Assistant ready)
- MQTT protocol compliant
- Modular, serviceable, repairable design with separate pump and MCU modules and professional motherboard
- Free and subscription based cloud services available incl. dashboards and templates



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Karrot Sensor KS200E series IoT fertigation mixer

The KS200E is an advanced IoT fluid dispenser for injection of liquid fertilizers into irrigation circuits also called 'fertigation'. It features highly reliable peristaltic pumps and flow meters for precise dosing and is available in 3, 5 or 6 component mixing configurations. Several fertigation machines can be combined into a unified process solution including mixing vessels, monitoring of physical & chemical parameters and control of irrigation systems. This creates unlimited flexibility in designing even the most demanding advanced farming automation systems.

This model is suitable for indoor deployment and commonly used in green houses, vertical farming, indoor farming such as cannabis or cloning, hydroponics, aquaculture, shrimp farming, food processing, brewing and industrial water treatment applications. KS200E is available in 2 different standard versions with small and medium dispensing capacity scalable to almost any size of application. High and ultra-high flow models are available on special order.

Specification

Peristaltic pump

Flow rate

Small peristaltic pump model 105ml/min

Medium peristaltic pump model 500ml/min

WiFi :

802.11n, 2.4 GHz

Power:

Model KS200E(XY)-Li:

220VAC input / 12VDC output power supply 4,000mA included in the package
Rechargeable Lihium Iron Phosphate battery type 10Ah

Model KS200E(XY)-PP:

12VDC dual fault-tolerant power input as used for centralized DC power backup and solar [X: pump size, Y No. of pumps]

Warranty:

1 year.

Custom builds with ozone, UV, acid and alkali resistant options are available on special order. Please contact sales@allit.info for further information.

