



HI 10,000 SERIES FERTIGATION SYSTEMS



TAKE CONTROL:

IRRIGATION CONTROL

FERTILIZATION CONTROL

pH CONTROL

EC CONTROL

ISO 9001:2000
CERTIFIED

2 Year Warranty
(excluding probes)

HANNA[®]
instruments
With Great Products, Come Great Results™

www.hannainst.com



HI 10,000 SERIES FERTIGATION SYSTEMS

Complete Greenhouse

Fertigation Control

HANNA instruments®, the world's leader in EC and pH control technology has worked with leading growers to develop advanced system solutions for crops of any type. The **HANNA** Fertigation System provides precise control of pH and fertilizer injection. Unlike flow driven systems of the past, the **HANNA** Fertigation System constantly measures the actual EC and pH the water, allowing the system to add the precise concentration of fertilizer directly to the irrigation supply. The **HANNA** System is a bypass system which does not limit line flow or pressure. This allows the user

to inject fertilizer from 5GPM up to 300 GPM accurately. The HI8000 series controller included with the system has 10 programs that allow the user to set various EC and pH values for a variety of plants. Each system allows the injection and mixing of up to 4 fertilizers. If preferred, each fertilizer injector can be set to a specific percent, allowing the user to mix combination fertilizers from basic N - P - K elements, providing a considerable cost savings. The **HANNA** Fertigation System also controls up to 32 irrigation valves for complete automation of the fertigation process.

Control Panel



1. Fertilizer and acid injection indicators (LEDs)
2. Main pump and alarm indicators (LEDs)
3. Multiple zone valve indicators (LEDs)
4. Touch keypad
5. Backlit LCD



HANNA's Fertigation and pH Control Systems can be found in a number of notable greenhouses: Van Wingerden Greenhouses NJ, Gro-Rite NJ, Van Vugt NJ, Michael's Greenhouse CT. Additional installations include such greenhouse leaders such as OWW Greenhouse NJ, and De Groot Greenhouse NJ, Van Wingerden Greenhouses WA.

Greenhouse Fertigation Control.

Features

- **Precise control** via continuous EC and pH monitoring
- **8 to 300 GPM**
- **65 to 75 PSI operating range**
- **Bypass system** — unit does not interfere with main line flow
- **3 fertilizer injectors and 1 minors or (mild) acid**
- **Make your own combination fertilizer** — Each fertilizer can be set to a specific percent.
*Ex: Injector #1 (N = 20%),
Injector #2 (P = 10%),
Injector #3 (K = 20%)*
- **Control over 32 valves** — Valves can be controlled sequentially, or x 2, x 3 ...up to x 8 at once
- **10 programs** for various EC and pH set-points and fertilizer percentages
- **Programs can be triggered** by time, external switching, and/or flow
- **Flow activated** to allow for spot watering — timer adjustable
- **Control agitators and filter cleaning**
- **Alarm Control and Redundant Monitoring**
- **GSM compatible** for remote monitoring and control from PC





HI 10,000 SERIES FERTIGATION SYSTEMS

Quality and Service

Above all, **HANNA** systems are reliable, durable and require little to no maintenance.

Each of our units are backed by impeccable training and support ...just ask our clients!



SPECIFICATIONS	HI 8000 Series F1 Controllers
Range	pH : 0.0 to 14.0; EC: 0.0 to 10.0 mS/cm
Resolution	0.1 pH / 0.1 mS/cm
Accuracy (@20°C/68°F)	pH: ±0.0546; EC: ±0.078 mS/cm
Typical Inputs	2 pH electrodes, 3 conductivity probes, 4 fertilizer tanks, 1 acid tank, 5 tank level controls, 1 mixing tank level control, 2 differential pressures, 1 irrigation counter, 1 temporary break, 1 conditional stoppage
Typical Outputs	2 non-consent alarms, up to 32 zone valves, 2 filter flushing, pump, agitator, 4 fertilizer tank electro-valves, 1 pH tank electro-valve
Number of Programs	10
Program Method	With keypad or through a PC using proprietary software
Irrigation Capacity	1, 4, 8 and 32 zone valves
Irrigation Control	time/volume control, 1 to 6 different timetables per program,
Readout	20-digit, 4 level LCD with graphic symbols and messages
Power Supply	115V/220V; 50Hz/60Hz
Environment	HI 8002: NEMA 4X specifications
Dimensions	Wall mounted: 280 x 330 x 165 mm (11.2 x 13.2 x 6.6"); Panel mounted: 178 x 260 x 115 mm (7.1 x 10.4 x 4.6")
Weight	Wall mounted: 4.95 Kg (11 lb.); Panel mounted: 3.4 Kg (7.5 lb.);

For more information contact **HANNA** at: **(888) 815-6422** • agriculture@hannainst.com

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