

NutriDose II

- Doses nutrients A,B and pH lower, raise
- Ideal for recirculating systems
- Ideal for small batch irrigation (2 zone)
- Ideal for Aeroponics – pump control
- Monitors nutrient temperature
- Different EC day/night
- Manual overrides on all functions
- 24V AC outputs to direct drive solenoid valves and pumps
- Dosing can be by peristaltic pumps or solenoid valves

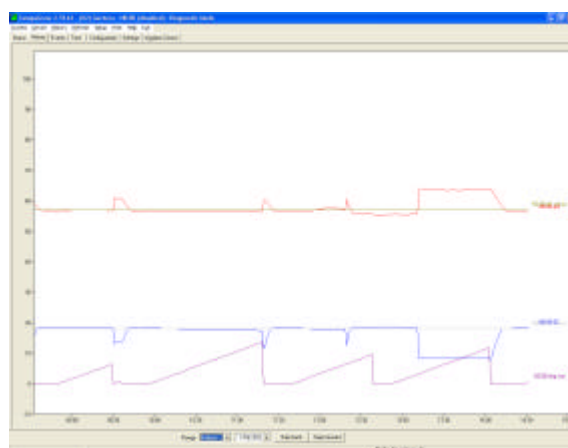


The NutriDose II is ideal for dosing continuously-recirculating systems such as NFT as well as intermittent systems such as flood & drain and even one or two zone batched irrigation systems or aeroponic systems. It can control all operations including tank filling, pump operation and zone selection.

Features include the usual on-demand EC and pH timed dosing system, different EC for day and night time, nutrient temperature monitoring together with the optional computer interface to allow remote setting, data logging, event capture and alarms.

The different day and night settings for EC can be helpful in controlling tip burn in lettuce and in avoiding other calcium translocation problems.

When used as a batched irrigation controller the irrigation triggering can be by solar integration and/or from in internal override timer. Irrigation may be disabled at night time. In order to use a solar integrator, an Enviro Sensor (with solar) must be connected. The NutriDose then maintains an internal integration counter whose speed is based on the amount of light. This counter is battery backed so that in areas with poor power supply, the counter does not reset when a power failure occurs.



The graph (above) is from a drip irrigated system and clearly show each irrigation and the EC and pH levels achieved.

Specification:-

Size: 240mmx200mmx150mm

Weight: 5.5Kg

Power 200-240V at 1A or 110V at 2A.

EC resolution 0.01EC or 0.1CF

EC accuracy 0.1EC or 1CF

EC range 0.00 to 10.0

pH resolution 0.01pH

pH accuracy (if calibrated correctly) 0.1pH

pH range 2.0 to 10.0

Temperature resolution 0.1 deg C

Temperature accuracy 0.5 deg C

Units

EC or CF

Temperature deg C or deg F

Date in dd/mm/yy or mm/dd/yy

Outputs

24V AC 2A rating

4 dosing outputs EC A, EC B, pH lower, pH raise

Fill tank

Stir tank

Pump

Zone 1

Zone 2

Filter flush

Alarm contact closure (max voltage 50 Volts at 2 amps)

