

AMI Completa 4000 Fertilizer Computer

Renovation of older fertilizer mixers

If you have an older well maintained fertilizer mixer in operation, which you wish to renovate in order to bring the control of the irrigation and fertilization up to the latest standards, then the AMI4000 Completa fertilizer computer offers a cost effective alternative in comparison to the purchase of a completely new fertilizer mixer.

With the AMI4000 Completa fertilizer computer, you can work extremely accurate with the fertilizer mix for each individual plant culture. You will be able to do so with less daily work effort than you are accustomed to, due to the flexible and easy operation using a keyboard with a multifunctional turnkey.

Large capacity and flexibility

AMI4000 Completa can control up to 8 groups with individual start conditions. For each group you can choose between 10 different recipes of EC, pH and fertilizer mix. Each group can control up to 29 irrigation valves, which can be chosen freely between the up to 199 available irrigation valves.

Up to 4 valves can irrigate at the same time which gives a maximal utilization of the capacity. Irrigation time and volume can be set individually for each valve.



- Advanced control of the plant growth
- Easy to program and operate on a daily basis
- Based on the latest technology - compatible with the newest PC-control program
- 29 irrigation valves per group - up to 199 irrigation valves and 10 recipes in total

Precise water control

In order to ensure the exact same water mix to all valves within each individual group, it is possible to mix more water sources including recirculated water in an exact ratio percentage. Depending on how much water is available in given a basin, at a given time, the mixer automatically changes the mixing ratio.

Automatic filter cleaning

When using rainwater and recirculated water, the filters for incoming water may clog if not regularly cleaned. This will affect the water pressure and thus the amounts of water which is directed to the fertilizer computer. This, however, cannot happen with the AMI4000 Completa. The automatic filter cleaning in the AMI4000 Completa cleans the filter when a certain pressure loss is detected in the water flow. A rinse is performed when the computer is not irrigating.

Newest technology

When you buy an AMI4000 Completa, you get exactly the functions and the functionality you need. The software in AMI4000 Completa is based on a standard operating system and is easy to update and expand with more functions and larger capacity when needed.

AMI4000 Completa can be connected to one or more central PCs via the SuperLink central control program and will run in the same network as the Senmatic DGT's 900 system and thus share data with the other units in the network.

Technical	
Supply Voltage:	3 x 230V/400V AC +10/-15% 50/60Hz (3 x 200V 50/60Hz, 3 x 208V 60Hz, 3 x 460V/1 x 115V 60Hz, 3 x 575V/1 x 115V 60Hz on request)
Power Usage:	Electronically max. 380VA
Relay outputs for pump:	2 24V AC 2A
Irrigation valves:	40 Potential free contacts 24V AC 2A
Alarm output:	2 Potential free contacts max. 42V AC 2A
Digital inputs:	16 Potential free contacts 24V, 10 mA
Analogue inputs:	8 (2 EC and 2 pH, 4 x 0-5V)
Analogue outputs:	2 0 - 10V, 5mA
Communication:	ARC-net with RS485 interface
Communication to EXP'er:	Exp-net with RS485 interface
Environment	
EMC Immunity:	DS/EN61000-6-1
Emission:	DS/EN61000-6-3
Physical	
Temperature, running:	0 - 50°C (32 - 122°F) without direct sun radiation
Humidity:	0 - 95% Rh without condensation
Proofing:	IP65
Dimensions LxWxH:	400 x 600 x 210 mm
Weight:	15 kg

AMI4000 Completa control up to:

• pH, EC sencor set	2
• Dosing pumps, fertilizer	8
• Dosing pumps, acidity	1
• Main pumps	2
• Valves	199
• Tanks, recirculation	8
• Recipes	10
• Groups	8

Expansion to max functions requires one or more expansion boxes.

Program contents:

- Irrigation on time or volume
- Volume registration
- EC control 2-8 stock solutions
- EC control, relative, absolute or ratio
- Mixing of fresh water and return water
- EC depending on solar radiation
- Automatic period with 4 time zones
- 24 hour pause, fixed time or fixed interval
- Manual start of individual valves
- Pre and post rinse valve
- Sun integrator
- Drain control
- Volume control
- Analogue start
- External start
- Fixed time interval
- Frost protection
- 24 hour program
- Week program

Alarms:

- EC1/2 and pH1/2 min./max., absolute
- EC and pH min./max., relative
- Flow alarm

Separate choice of units:

- Volume: Liter, m³, gallon
- Flow: l/min, 0m³/h, gpm
- Temperature: °C, °F
- Irrigation time: mm:ss, hh:mm
- Energy: kJ, Wh

**Accessories: Expansion box EXP 356 - EC Sensor - EC Transmitter
pH Sensor - Sun cell SC21 - Dosing Pumps PP40**

Distributor:

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