Technical Data

Management Computers > Fertigation

> Water Controller 3000

Automation

Code	Description
FER159	Controller WC3000 base
FER158	Expansion box 24 outputs

ACCESSORIES

Code	Description
FER115	Inverter J1000 x Dostec

DESCRIPTION:

Application
- Irrigation and fertigation control unit
- Fruit farming and vineyards, tunnels and glasshouses

Specifics
- Backlit LCD display
- Waterproof soft-touch keyboard, alphanumeric and with specific menu keys
- Language: italian (others on request)
- Box version for free installation

Hardware Features
- Expandable outputs: 24 base - 48/72/96
- Digital inputs: 4
- Analog inputs: 2
- 220/24 VAC transformer incuded
- Command output: 24 V 50Hz
- Box dimensions: 300 x 260 x 160 mm
- Box protection: IP 55

Software Features
- 50 programms
- 15 dayly starts
- Filters management (6 max)
- Pumps management (4 max)
- Fertilizers management (6 max)
- 48 fertilizers can be set
- pH/EC control
- High/low-frequency water meter

Materials
- Free box installation: PC/ABS
- Front panel: aluminium
- Box support: stainless steel

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Automation

SIMPLE IRRIGATION CONTROL

Control 96 sectors across 50 irrigation programs. An easy and intuitive program avoids conflicts of overlapping programs, simplifying the irrigation configuration. It has functions of automatic filter cleaning and pump start. Allows irrigation time corrections through a single parameter (irrigation factor)

PRECISE DOSING

Control of fertigation through 48 programs applicable to each of the irrigation sectors. With independent dosage up to 6 different products. Simultaneous controls of proportionality, EC and pH through the PIQ algorithm developed by ITC

REAL-TIME MONITORING

• Irrigation program
• Fertigation program
• Start time and remaining time
• Pumps activated
• Valves activated
• Filters in cleaning mode
• Flow, pressure, EC and pH readings
• Dosing flow rates
• Percentage of dosage

MANAGEMENT WITHOUT ADDITIONAL SOFTWARE

M2M (Machine to Machine) communication allows easy access to the equipment from the web browser of any computer, without the need for any previous configuration, and to consult or modify the configuration and programming. Connect locally via the device's Ethernet port or remotely via the Internet

TRACEABILITY BY IRRIGATION SECTOR

From any computer and without the need for additional software, download a file compatible with the spreadsheet, with consumption, the evolution of the water, fertilizer, pH and CE flow rate readings, as well as recording alarms and anomalies for each irrigation sector

CONTROL AND VISUALIZATION

4 water pumps	
6 filters	
24 ÷ 96 valves	
6 dosing pumps	
Sensors	Q pH EC P

SCARABELLI IRRIGAZIONE s.r.l. • Via Viadagola 48 • 40057 Granarolo dell'Emilia (BO)
Tel +39(0)51 763.363 • Fax +39(0)51 763.397 • www.scarabelli.it • info@scarabelli.it

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