

# Product information

Measuring and control equipment



**dinotec**  
Water & Pool Technology



pH control PLUS with dinodos easy  
Microprocessor-controlled measuring, control, dosing and filter  
control to  
correct the pH level in swimming pools and whirlpools (pH  
reduce/pH raise optionally). On wall mounting plate

**Art. no.: 0160-106-90**

## Short description

Starter model with automatic measurement and control of the pH value. A properly controlled pH value is pre-condition for an efficient and effective water care. It protects the technical equipment of the swimming pool from corrosion, independent of the particular fresh water quality. The integrated dosing equipment is cost-efficient and space saving. Durable dosing pumps with almost wear-free stepper motor, optimal adjustment to requirement within a range of 0.3 - 3l/h dosing capacity, reduction of operating costs. Dosing is possible up to a maximum counter-pressure of 1.5 bar.

## Description

Microprocessor-controlled compact measuring and control system with integrated dosing system for correction of the pH level in swimming pools and whirlpools (REDUCE / RAISE optionally). With alphanumeric, backlit display (direct measurement of the pH value).

Digital display with clear text menu navigation. Automatic switch-on delay 0 - 15 min., sample water monitoring, monitoring of dosing time, setpoint adjustment, pH reduce / raise adjustable, service displays, and language selection.

pH measurement, combination electrode with KCL filling, control range from 6.5 - 8.5 pH.

Stepper motor peristaltic dosing pumps with counter bearing, pump hose kit incl. hose connector 6/4 mm, safety shutdown function, alarm display, pump capacity scalable 10 - 100 %. Direct drive of the integrated peristaltic dosing pumps with proportional control, max. capacity approx. 3.0 l/h at 1.5 bar.

Incl. combination electrode for pH and redox, flow valve, measuring cable, suction lines, dosing lines, injection valve, sample water line, calibration solutions pH 7 and pH 4, fiber filter and operating instructions.

Factory-tested and supplied pre-assembled on a wall mounting plate ready for connection; connection kit included.

## Technical data

|   |  |
|---|--|
| Mains voltage:                              | 230V +6 %/-10 %, 50/60Hz                 |
| Power consumption:                          | < 20 VA                                  |
| Protection class:                           | IP 54                                    |
| Fuse:                                       | 63 mA T                                  |
| Dimensions housing (w x h x d):             | approx. 160 x 240 x 110 mm               |
| Dimensions wall mounting plate (w x h x d): | approx. 330 x 420 x 8 mm                 |
| Weight of unit:                             | approx. 1.5 kg                           |
| Weight complete:                            | approx. 3.55 kg                          |
| Permissible operating temperature:          | 0 to 50 °C                               |
| Permissible storage temperature:            | -20 to +65°C                             |
| Permissible humidity %:                     | max. 90% at 40°C (non-condensing)        |
| Storage temperature pH electrode:           | -50 °C to + 400 °C                       |
| Dosing pump:                                | High-performance peristaltic pump        |
| Pump hose:                                  | compl. with connectors 6/4 mm            |
| Capacity max.:                              | approx. 3.0 l/h (adjustable 10 - 100%)   |
| Switch-on delay                             | 15 minutes (adjustable: 0 - 15 minutes)  |
| Operation:                                  | with plastic foil keypad                 |
| Display:                                    | alphanumeric, 2 x 16 characters, backlit |

### pH measuring and control part

|                          |   |
|--------------------------|---|
| pH measurement:          | with combination electrode  |
| Measuring range:         | 0 - 14 pH   |
| Resolution:              | 0.1 pH  |
| Calibration:             | manual with calibration solutions pH 7.0 + pH 4.0                                   |
| Electrode check:         | by means of a compensation of slope and zero shift, control of slope and zero point |
| sample water monitoring: | via Reed contact sensor   |

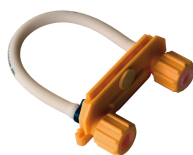
#### **Alarm:**

Activation in case of a sample water deficiency and dosing alarm - deactivation of dosing

## Application

Outdoor pool/Indoor pool

## Spare parts



#### **0204-025-00**

Pump hose set incl. hose connector  
6/4 mm and holder, capacity 3 l/h  
Hose outside 5.6 mm, for EASY/TOP pumps



#### **0204-026-00**

Rotors with counter-pressure bearing and spring  
for EASY/TOP/CONCEPT/START pumps, capacity  
8.5 l/h  
2 rollers, rotor height 21 mm, from 03/08

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*Simply enjoy the best water!*