



**NIEUWKOOP**

# LEAFLET



## PH3005

PH CONTROLLER



TO MEASURE  TO KNOW



## Controllers with 1 set-point

LCD Display

Automatic temperature compensation

Set point values display

HI/LO selectable limits

Adjustable relay time delay

4/20 mA output

Detachable terminal block

### PH 3645

#### pH controller

Scale: 0/14.00 pH

ATC: NTC 10K



### MV 3645

#### O.R.P. controller

Scale: 0/1000 mV



### C3645

#### E. Conductivity controller

Scale: 0/1999  $\mu$ S

Option 091.1321: scale 0/199,9  $\mu$ S

Option 091.1322: scale 0/19,99 mS

Input: 2-electrode E.C. cell 4-electrode E.C. cell

ATC: NTC 10K

Temperature coefficient: 2 %/°C



### TR3645

#### Temperature controller

Scale: -20/+120 °C

Input: RTD Pt100 (3 wire)



#### Technical specifications

**Display:** LCD

**Zero Adjustment:**  $\pm$  15%

**Slope Adjustment:**  $\pm$  20%

**Automatic Temperature Compensation:** NTC 10K (Pt100 for C3655)

**Output:** 4.20 mA dc 300 ohm max

**Relay contacts:** SPDT 220 V 5 A resistive load

**Hysteresis:**  $\pm$  0.25%

**Switching Time:** < 0.5 s

**Relay Time Delay:** adjustable 0/40 s

**Operating Temperature:** 0/50 °C

**Operating Humidity:** 0/95% R.H. non-condensing

**Power supply:** 110/220 V  $\pm$ 10% 50/60 Hz 2 VA

**Isolation:** 4 kV (Iec 348)

**Weight:** 265 g

**Dimensions:** 105 x 95 x 90 mm (6 DIN Rail modules)

**Mounting:** DIN Rail (35 x 7.5 mm Rail)

**Option 091.402:** 24 Vac power supply



## 3000 Series DIN RAIL

- High accuracy**
- High reliability**
- Modular design**
- Low installation costs**
- Compact size**

### General information

This series of analyzers and transmitters has been designed for the measurement and control of:

- pH
- O.R.P.
- Conductivity
- Electrodeless Conductivity
- Residual Chlorine
- Temperature

For OEM applications in industrial process, with continuous readings on LCD display.

These instruments provide accurate, low cost measuring and control for industrial process, water treatment and wastewater applications.

The Series is made of 3 different models, which allow Customers to select the most suitable solution according to their application and installation.

Models **3645** and **3655** feature one relay and a units  
4...20 mA output, not isolated.

Models **3647** are same as the models above, but with 2 relays.

#### BC9408

Models **3630**, thanks to a "current-loop" 4...20 mA output, are the ideal solution for those installations where controlling is done via PLC or other remote supervision and control devices, without losing the

## Accessories for installation



#### BC 9408

Water-tight enclosure for 1 unit

**Protection:** IP65 (NEMA 4X)

**Dimensions:** 205 x 220 x 140 mm



#### BC 9412

Water-tight enclosure for 2

**Protection:** IP65 (NEMA 4X)

**Dimensions:** 275 x 220 x 140 mm

#### BC 9491

Wall mounting brackets for

and BC 9412

#### BC 95106

Frame for panel mounting of DIN

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possibility to calibrate near the sensor.

Rail instrument (6 modules).



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