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# GICON 1000 Multiparameter- Controller



## General Information

- GICON 1000 combines measuring transducer, controller and data logger in a single unit. With input and output for 4 probes the instrument of choice for demanding measurement tasks.
- 4 relays are available for switching tasks or alarm output.
- Flexible: Use it in an IP 65 housing directly at the site of measurement or space-saving as switchboard insert in sight of the operator.
- With simple menu structure and touchscreen display for straightforward operation

## Guide for the GICON configuration

Simply select up to 4 probes for your GICON or use one of the preconfigured examples on the following pages.

## Typical Applications

Suitable for use with all GIMAT probes, indoor and outdoor.

## Advantages

- Touchscreen
- Available in IP 65 housing or as switchboard insert
- 4 analogue outputs, 4 relay contacts

## Product Code

**GICON 1000**

**6007 ....**

## GICON 1000

Signal output	4~20 mA, RS 232, optional RS 422
Power supply	230 V AC $\pm$ 10%, 50 Hz
Housing	Die cast aluminium
Dimensions	310 mm $\times$ 245 mm $\times$ 240 mm
Weight	6.5 kg
Ambient temperature	-20~45 °C
Protection class	IP 65

Optional: Power supply 115 V AC  $\pm$  10%, 60 Hz or 24 V DC





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## For Inlet (WWTP)



### General Information

- Probe system for measuring pH, electrical conductivity and temperature. Ideal for the inlet of waste water treatment plants.
- The controller GICON 1000 in its IP 65 housing can be installed outdoors, directly at the site of measurement.
- The probes come in a IP 68 PVC (optional stainless steel V2A) protective armatures.

### Method

Easy to handle and operate controller GICON 1000 bundled with probes for measuring pH and electrical conductivity (temperature probe integrated). The ideal instrument for effective monitoring of the relevant inflow parameters.

### Typical Applications

- Waste water treatment plants: Inlet monitoring

### Advantages

- Short response time
- Minimum maintenance
- Operation without reagents
- Sturdy design

### Product Code

<b>GICON 1000</b>	<b>6007 ....</b>
<b>+ pH probe</b>	<b>1003 ....</b>
<b>+ el. conductivity probe</b>	<b>2602 ....</b>

Version with protective armatures made from PVC.

*Controller GICON 1000  
with probes for pH und  
electrical conductivity*



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# For Aeration (WWTP)



**GIMAT**  
Liquid Monitoring



## General Information

- Probe system for measuring dissolved oxygen, temperature, ammonium and mixed liquor suspended solids. Ideal for aeration monitoring in waste water treatment plants.
- The controller GICON 1000 in its IP 65 housing can be installed outdoors, directly at the site of measurement.
- The probes conform to protection class IP 68 (some of them in PVC or optional stainless steel V2A protective armatures).

## Method

Easy to handle and operate controller GICON 1000 bundled with probes for measuring dissolved oxygen, temperature, ammonium and mixed liquor suspended solids. The ideal instrument for effective monitoring of the relevant parameters in aeration.

Two techniques are available for oxygen measurement: The reasonably priced, time-tested Clark cell or the modern high-precision luminescence method.

Controller GICON 1000 with probes

## Typical Applications

- Waste water treatment plants: monitoring of aeration/nitrification

## Advantages

- Short response time
- Minimum maintenance
- Operation without reagents
- Sturdy design

## Product Code

<b>GICON 1000</b>	<b>6007 ....</b>
<b>+ ammonium probe</b>	<b>4890 ....</b>
<b>+ oxygen probe</b>	<b>1815 ....</b>
<b>+ temperature probe</b>	<b>3403 ....</b>
<b>+ MLSS probe</b>	<b>4105 ....</b>

Version with protective armatures made from PVC and amperometric oxygen probe.



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## For Outlet (WWTP)



### General Information

- Probe system for measuring pH, electrical conductivity, chlorine and turbidity/suspended solids. Ideal for the outlet of a waste water treatment plant.
- The controller GICON 1000 in its IP 65 housing can be installed outdoors, directly at the site of measurement.
- The probes conform to protection class IP 68 (some of them in PVC or optional stainless steel V2A protective armatures).

### Method

Easy to handle and operate controller GICON 1000 bundled with probes for measuring pH, electrical conductivity, chlorine and turbidity/suspended solids. The ideal instrument for effective monitoring of the relevant outflow parameters.

### Typical Applications

- Waste water treatment plants: Outlet monitoring

Controller GICON 1000 with probes

### Advantages

- Short response time
- Minimum maintenance
- Operation without reagents
- Sturdy design

### Product Code

<b>GICON 1000</b>	<b>6007 ....</b>
<b>+ turbidity/SS probe</b>	<b>4102 ....</b>
<b>+ pH probe</b>	<b>1003 ....</b>
<b>+ el. conductivity probe</b>	<b>2602 ....</b>
<b>+ chlorine probe</b>	<b>1810 ....</b>

Includes protective armatures made from PVC.