



Water Quality Analyzer

On-Line Instruments

RC-96M



KI-YEON E&I CO.,LTD.

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Water Quality Monitoring Instruments

Residual Chlorine Meter

RC-96M

RC-96M residual chlorine indicator is designed for ideal application in supply water treatment facilities or swimming pool measuring free residual chlorine parameters. Also compact unit can be applicable to food, beverage, chemical, pharmaceutical industries where water quality monitoring process is necessary. RC-96M continuously monitor by indicating and controlling the measured values of Residual Chlorine. Compatible with DIN96 sized panel mounting type and compact designed with consideration of user to easy installation. Proportional 4-20mA output and High, Low relay output benefits the ideal monitoring of Residual Chlorine. Maximum sensor cable length to meter is 5m.



Features at a glance

- Good looking designed panel mount type
- 0/4-20mA current output, 40-bargraph output percentage display
- Two relay as limit contacts (High, Low)
- 96X96X128 compact design
- Large LCD display
- Automatic calibration

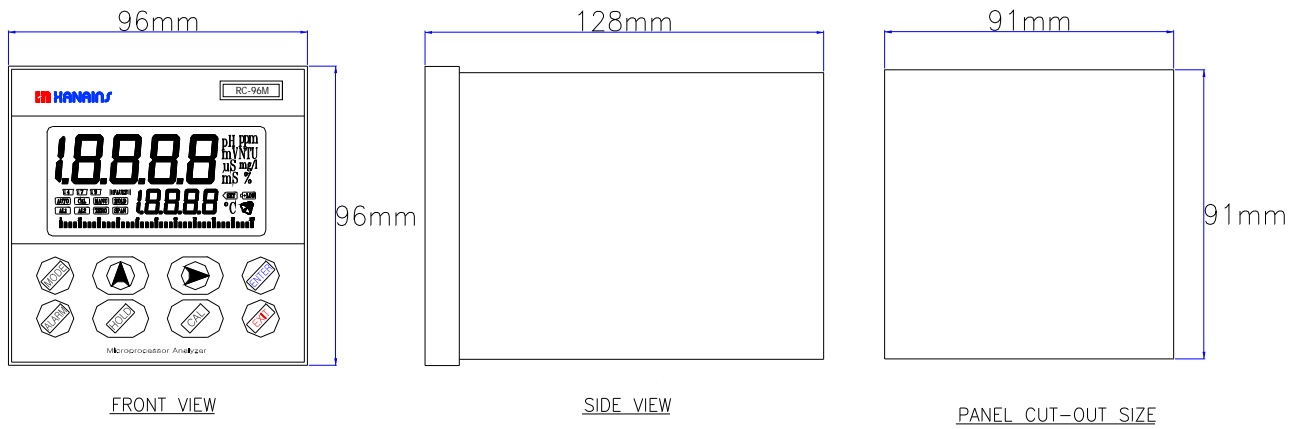
Technical Data

RC-96 Residual Chlorine Controller	
Measuring range	0.00 to 10.00 ppm, mg/l
Display method	10-Digit LCD / 40-bargraph output / Message&image icons
Relay contact	High / Low AC250V 5A
Output signal	DC 4-20mA (R.Load 750 Max.)
Power supply & Consumption	AC100V/220V 50-60Hz 10% 3VA
Ambient temperature	-5 °C to 45 °C
Construction	DIN 96 panel mount type
Case materials	Polycarbonate
Relay contact	High / Low AC250V 5A
Temperature compensation	Automatic 0 to 60 °C
Calibration	Automatic / Manual
Accuracy	± 0.1% of F.S.
Repeatability	0.01 ppm, mg/l
Response time	Within 30 sec. (90%)
Weight	Approx. 450g

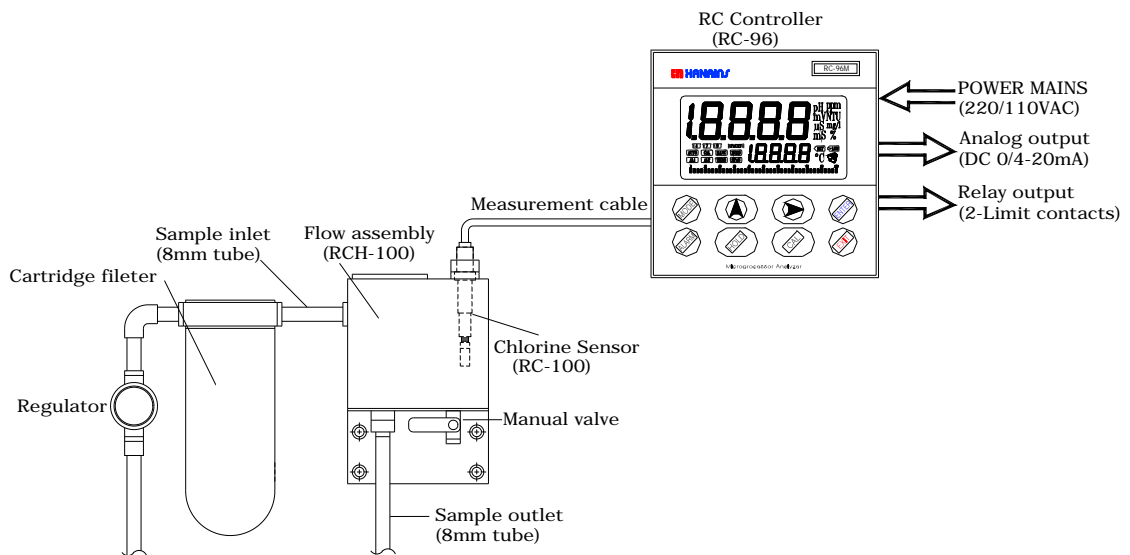
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Dimensions

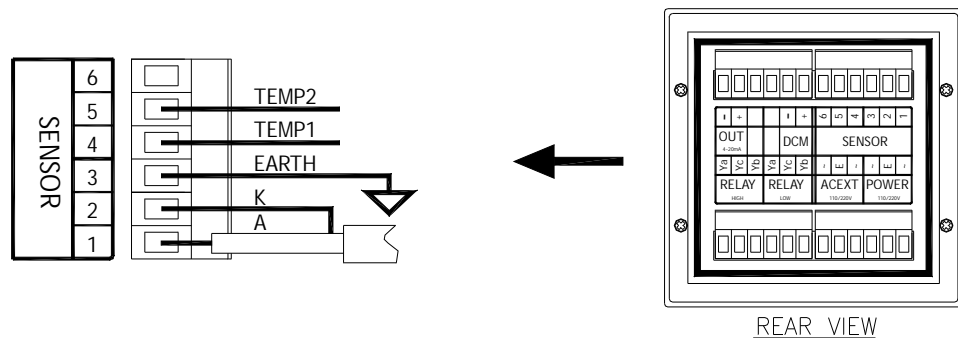


System Example



Electrical Connection

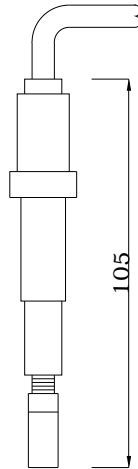
Sensor Connection



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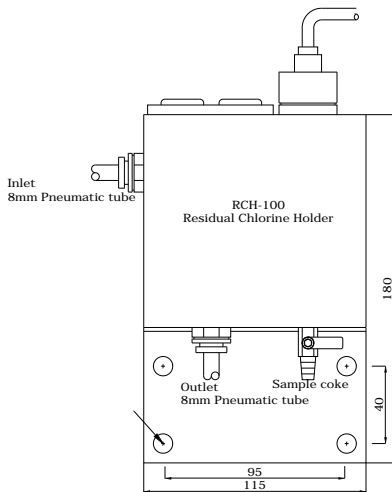
Water Quality Monitoring Instruments

Residual Chlorine sensor and holder



RC-100

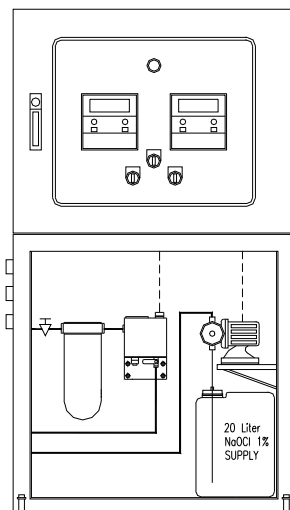
Measuring object	Free Residual Chlorine
Measuring range	0-1,2,5,10 ppm
Operating Temp.	0 to 40°C
Operating pressure	0 to 3 kg.f/cm ²
Measuring method	Galvanic cell
Housing material	PVC
pH range	6-8 pH
Conductivity	>100 us/cm
Response time	90% / 120 seconds
Temperature sensor	10KV



RCH-100 Holder

Operating pressure	0 to 3 Kg.f/cm ²
Housing material	Acryl
Flow rate	0.5 to 1 l/min
Connection	Clamp joint
Mount type	Wall
Combination sensor	pH, ORP sensors
Valve	Sampling water vent valve
Type	Sampling water over-flow method

Residual Chlorine Package Panel



RCCP

Measuring range	Residual Chlorine : 0-2 ppm (Standard)
Measuring range	pH Concentration : 0-14 pH (Standard)
Measuring range	ORP : ±700mV (Standard)
Alarm contact	High, Low (1A1B Dry Contact)
Measured parameters	Residual chlorine, Option : pH, ORP
Pump option	Metering pump control
Function	Automatic / Manual Select
	Ceramic filter on inlet
Enclosure	Weather proof panel
Dimension	(H)800 x (W)500 x (D)400

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Residual Chlorine ordering information

Code Description		
RC-96M	DIN96 compatible size RC meter	Power : AC110/220V 50-60Hz

Measuring Range	
0	0-2 ppm
1	0-5 ppm
2	User Ordering Range

Power Source	
A	AC110V 50-60Hz
B	AC 220V 50-60Hz

Residual Chlorine sensor	
RC-100	Without temperature sensor
RC-100-3KTC	Built-in 10Kohm temperature sensor

Output signal	
0	DC1-5V
1	DC 4-20mA
2	User Ordering Signal

Flow Assembly	
A	RCH-100 Flow through holder assembly (Standard Size)
B	RCH-100 Flow through holder assembly with filter

RC-96M	0	B	RC-100-3KTC	1	B
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Typical Model Number

* Specifications are subject to change without notice.

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