GOLDPOINT®

Simple operation

Stable operation

Accurate testing

GEC05

CONDUCTIVITY CONTROLLER

Product Description

GEC05 series microprocessor-based conductivity controller since the market promotion, has been produced for nearly 10 years, has been known for stable performance, accurate measurement, easy to use, trusted by the majority of environmental protection enterprises, is a cost-effective and comprehensive higher products.
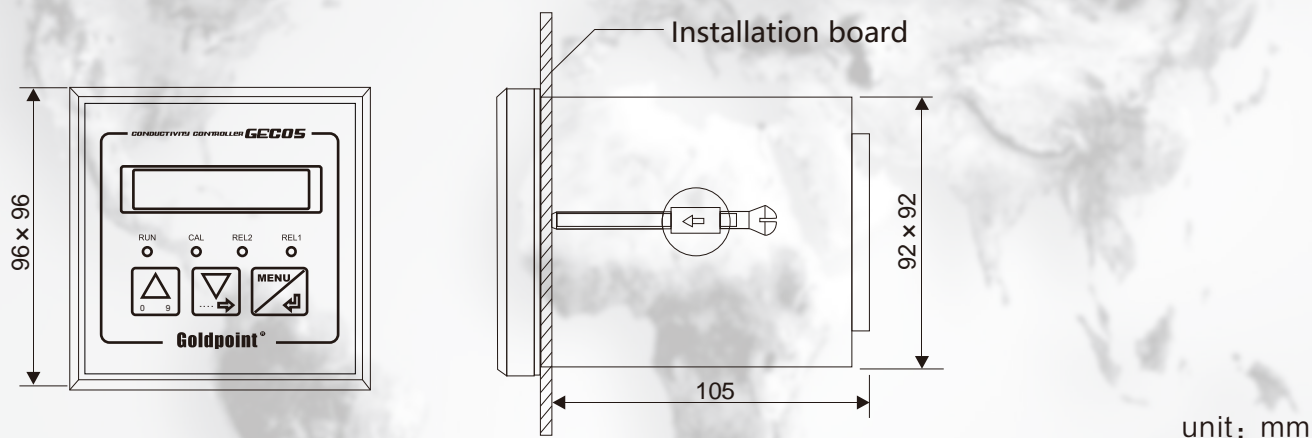
Product Application

The product is suitable for petrochemical, oil refining, metallurgy, machinery, power station, papermaking, pharmaceutical, printing and dyeing, food, fermentation, environmental protection and other industries to continuously monitor the industrial process of aqueous solution conductivity value measurement and control.

Product Features

● Measurement accuracy can be ensured by matching sensors with different coefficients.

● Automatic or manual temperature compensation greatly improves the measurement accuracy.

Multiple output options: two 0/4-20mA analog outputs, two pulse signal outputs, one RS485 digital output, three switch outputs.

● Password protection to prevent misoperation.

Product size

Installation board

96 x 96

92 x 92

105

unit：mm

Technical Data

Product Model	GEC05R	GEC05F
Measurement Range	EC：0.00～20000us/cm; Salinity：15ppt; Temp：−20～150℃	
Resolution	EC：0.01us/cm; Salinity:0.01%; Temp：0.1℃	
Temperature compensation	Automatic or manual compensation	
Accuracy	EC：±0.01（F.S）; Temp：0.1℃	
Repeatability	Better than ±0.3% of measurement range (F.S)	
Compensation mode	Pure water, Natural water, Standard	
Calibration Method	Conductivity standard solution calibration, multipoint calibration	
Current Output	0.00/4.00～20.00mA Opto−isolated Maximum Load 550Ω	
Switching Output	3 Relays; SPST contacts; 3A 110/220VAC,3@30VDC impedance	
Pulse Output	0.1 to 999.9 (frequency)	
Serial interface	RS 485 communication	
Memory Backup	All user settings are retained indefinitely in memory (EEPROM)	
Operationg Environment	−10～+60℃; 0～95% relative humidity, non−condensing	
Storage Environment	−20～+70℃; 0～95% relative humidity, non−condensing	
Power Requirements	AC：100～240VAC；50～60Hz; Maximum power approx. 5W	
Installation	Panel	Wall−mounted
Dimension	96mm x 96mm x 125mm (Aperture size 92mm x 92mm)	160mm x 130mm x 65mm Direct installation, no drilling required
Protection Grade	IP54	IP65
Weight（Net）	approx.1 kg	