



操作简单



运行稳定



测试精准

# GPRO5

## pH/ORP Controller

### Product Description

GPRO5 series microprocessor-based pH/ORP controller since the market promotion, has been in production for nearly 10 years, has been known for its stable performance, accurate measurement and ease of use, trusted by the majority of environmental protection enterprises, is a cost-effective and comprehensive higher products.

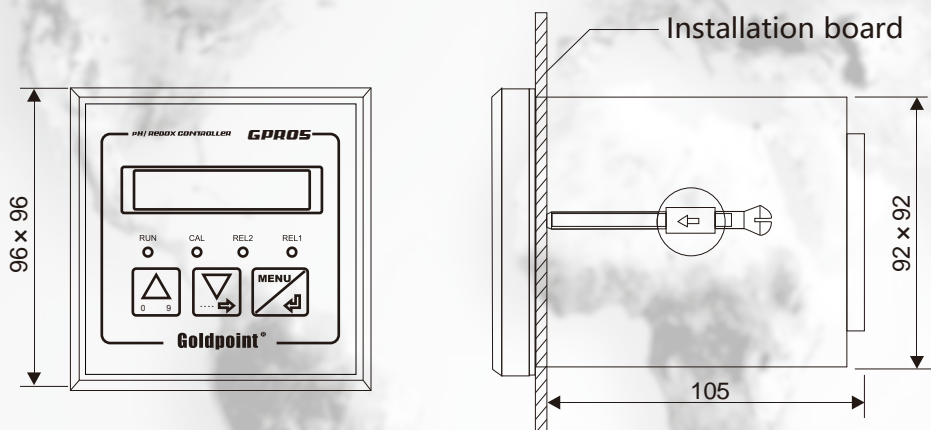
### Product Application

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

### Product Features

- High resistance preamplifier, strong anti-interference ability.
- Transmission distance between controller and electrode can be up to 100m (optional preamplifier).
- Multiple output options: two 0/4-20mA analog outputs, two pulse signal outputs, one RS485 digital output, three switch outputs.
- With password protection to prevent misoperation.
- Optional automatic or manual temperature compensation, double slope measurement coefficients greatly reduce the measurement error.

## Product size



unit: mm

## Technical Data

Product Model	GPR05R	GPR05F
Measurement Range	pH: 0.00 ~ 14.00pH; ORP: -2000 ~ +2000mV; Temp: -20 ~ 150°C	
Resolution	pH: 0.01pH; ORP: 1mV; Temp: 0.1°C	
Accuracy	0.1% of the measurement range (pH: ± 0.02pH; ORP: ± 2mV) whichever is greater.	
Stability	0.05% of measurement range per 24 hours without accumulation	
Repeatability	Better than 1% of the measuring range	
Temperature compensation	Automatic or manual compensation	
Compensation Mode	Pure water, Natural water, Standard	
Calibration Method	pH: three-point double slope calibration; ORP: two-point 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)	
Operating Environment	-10 ~ +60° C; 0 ~ 95% relative humidity, non-condensing	
Storage Environment	-20 ~ +70° C; 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	