



## Industrial Online Ion Meter

**Model: PFG-3085**



### Introduction

PFG-3085 Industrial online Ions analyzer is new latest micro-computer based high-end instrument. It is characterized by three languages in one, suitable for F<sup>-</sup>, Cl<sup>-</sup>, Mg<sup>2+</sup>, Ca<sup>2+</sup>, NO<sub>3</sub><sup>-</sup>, NH<sub>4</sub><sup>+</sup> (Fluoride ion, Chloride ion, Chloride, Potassium ion, Nitrate ion, Ammonium ion, Calcium ion, Hardness etc). the ion instrument has a user-friendly interface, easy use, long working life, data logging function. it's widely used for power plant, drinking water, industrial waste water etc

### Main Features

- 1) The ion instrument are used in industrial measuring of the temperature and ion, such as  
Waste water treatment, environmental monitoring, electroplate factory, etc.
- 2) It can be panel, wall or pipe mounted.
- 3) The ion meter provides two current outputs. The maximum load is 500 Ohm.
- 4) It provides 3 relays. It can pass through a maximum of 5 Amps at 250 VAC or 5 Amps at 30VDC
- 5) It has data logger function and record 500 000 times data.
- 6) it's suitable for F<sup>-</sup>, Cl<sup>-</sup>, Mg<sup>2+</sup>, Ca<sup>2+</sup>, NO<sub>3</sub><sup>-</sup>, NH<sub>4</sub><sup>+</sup> etc and it's automatic to change unit based on different ion sensor.

**Technical Parameters**

Functions	ION(F <sup>-</sup> ,Cl <sup>-</sup> ,Mg <sup>2+</sup> ,Ca <sup>2+</sup> ,NO <sub>3</sub> <sup>-</sup> , NH <sup>+</sup> etc )
Measuring range	0.00 – 5000 ppm
Resolution	0.01(<1ppm), 0.1 (<10ppm), 1(others)
Accuracy	±0.01ppm,±0.1ppm,±1ppm
mV input range	0.00-1000.00mV
Temp. compensation	Pt 1000/NTC10K
Temp. range	-10.0 to +130.0°C
Temp. compensation range	-10.0 to +130.0°C
Temp. resolution	0.1°C
Temp. accuracy	±0.2°C
Ambient temperature range	0 to +70°C
Storage temp.	-20 to +70°C
Input impedance	>10 <sup>12</sup> Ω
Display	Back light, dot matrix
ION current output 1	Isolated, 4 to 20mA output , max. load 500Ω
Temp. current output 2	Isolated, 4 to 20mA output , max. load 500Ω
Current output accuracy	±0.05 mA
RS485	Mod bus RTU protocol
Baud rate	9600/19200/38400
Maximum relay contacts capacity	5A/250VAC,5A/30VDC
Cleaning setting	ON: 1 to 1000 seconds, OFF: 0.1 to 1000.0 hours
One multi function relay	clean/period alarm/error alarm
Relay delay	0-120 seconds
Data logging capacity	500,000
Language selection	English/traditional Chinese/simplified Chinese
Waterproof grade	IP65
Power supply	From 90 to 260 VAC, power consumption < 5 watts
Installation	panel/wall/pipe installation