



## Industrial Phosphate Analyzer

### Model : LSGG-5090

LSGG-5090 type industrial online phosphate analyzer, adopts special air bubbling and optoelectronics examination technique, makes chemical reaction quickly and measurement accuracy outstanding, optoelectronics examination and chart text display. Adopts colorful liquid crystal display, with the colorful characters, charts and curves, etc.

Can be widely used in thermal power plants, chemical industry and other departments, timely and accurate phosphate content of the water is monitored to ensure crew working safely, economic, especially for the scene environment.

#### Technical Features

1. 1 ~ 6 channels for optional, cost savings.
2. High accuracy, fast response.
3. Regular automatic calibration, maintenance workload is small.
4. Color LCD real-time curve, convenient for analysis working condition.
5. Save a month of historical data, easy recall.
6. Monochromatic cold light source, long life, good stability.
7. Multiple-precision programmable current output, suitable for subsequent automatic dosing or data acquisition system.

#### Technical Indexes

1. Measuring principle: phosphorus molybdenum alum yellow photoelectric colorimetry
2. Measuring range: 0 ~ 2000 $\mu$ g / L, 0 ~ 10mg / L optional
3. Accuracy:  $\pm 1\%$  F.S
4. Repeatability:  $\pm 1\%$  F.S
5. Stability: drift  $\leq \pm 1\%$  F.S/24 hour
6. Response time: initial response, four minutes, six minutes to reach at least 98%
7. Sampling period: 3 minutes / Channel
8. Watery conditions: Flow > 2 ml / sec.  
Temperature: 10 ~ 45 °C  
Pressure: 10kPa ~ 100kPa
9. Ambient temperature: 5 ~ 45 °C (higher than 40 °C, reduced accuracy)
10. Environment humidity: <85% RH
11. Reagent types: one kind
12. Reagent consumption: about 3 liters / month
13. Output signal: 0 ~ 22mA within range of any set, each channel isolation
14. Alarm: buzzer, relay normally open contacts
15. Power: 220V  $\pm 10\%$ , 50Hz  $\pm 1\%$  50W Main features
16. Dimensions: 720mm (height)  $\times$  460mm (width)  $\times$  300mm (depth)
17. Hole size: 665mm  $\times$  405mm

