

# 8810 phosphate analyser for wastewater plant effluent



## **Applications**

- ✦ Monitoring of the effluent in a wastewater plant

## **Advantages**

- ✦ No sample filtration required (suspended solids < 50 mg/l and particles size < 100 µm)
- ✦ Reactor and photometer cell automatic cleaning
- ✦ Chemistry based on standard laboratory colorimetric method
- ✦ Full compensation of sample colour, suspended solids and turbidity
- ✦ No risk of tube blocking
- ✦ Original Polymetron double sensor photometer technology

data sheet

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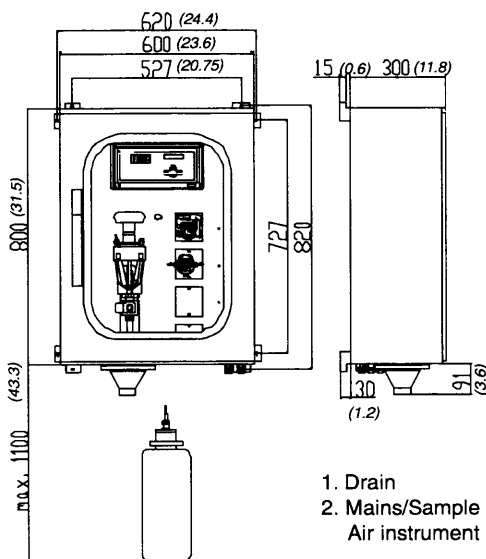
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1. Drain
2. Mains/Sample inlet/Rinsing water/  
Air instrument

Wall-mount cabinet (option)

## Specifications

● **Working principle:**  
Discontinuous measurement of  
phosphate by the molybdate  
blue colorimetric methodology

● **Measuring range:**  
0–5 mg/l P–PO<sub>4</sub>

● **Detection limit:**  
< 0.1 mg/l P–PO<sub>4</sub>

● **Frequency:**  
1 measurement every  
15 minutes

● **Accuracy/repeatability:**  
< ± 0.1 mg/l P–PO<sub>4</sub>

● **Sample:**  
1 in standard/up to 6 with  
optional 8811 sequencer  
Temperature: 3–40°C  
(37.4–104°F)  
Pressure: 0.5–6 bar  
(7.25–87 psi)  
Flowrate: 50–300 l/h  
Volume: 200 ml/analysis

Rinsing water: 1–6 bar  
(14.5–87 psi)  
Air instrument: 5–7 bar  
(72.5–101.5 psi)

● **Installation:**  
Panel-mount cabinet (standard)  
Fiberglass wall-mounting or  
stainless steel free-standing  
cabinet (optional)  
Sample: 10/12 mm tubing  
Rinsing water: 6/8 mm tubing  
Air: 4/6 mm tubing

● **Outputs/alarms:**  
0–4/20 mA (measurement  
signal)  
3 relays (2 for low and high  
limits, 1 for system alarm)  
Sample, reagents, calibration  
solution level detectors  
RS232

● **Conforms to last European  
Directive 89/336/CCE**



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