


PB200 Lead Ion Detector

Precision Water Lead Measurement In **4 Minutes**




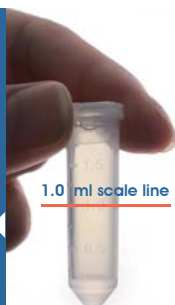
PB200 Lead Ion Detector




- ① Disposable Lead Sensor
- ② Sample Pretreatment Eppendorf Tube (with 0.2 ml electrolyte)
- ③ 0.2 ml Quantitative Pipette


Operation Steps:

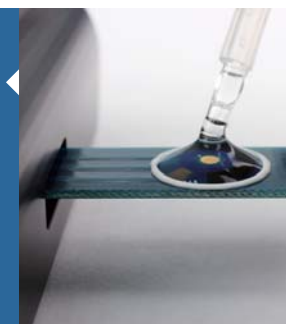
1. START (Press  key for three seconds)
2. Insert the sensor
3. Draw the water sample with the Pipette. Inject it into Eppendorf Tube to **1.0 ml** scale. Shake it to mix the electrolyte with the water sample.



4. Draw the mixture water sample **0.2 ml** (to black line scale), then Inject (fill) it (**0.2 ml**) into the white circle of the sensor.
5. Press "Measure" key to initiate measurement. 3 minutes later, work out and display the value of Lead Ion concentration of the sample

 **< 10 µg/l Safe**

 **≥ 10.0 µg/l Unsafe**



PB200 Lead Ion Detector

- 0.1 $\mu\text{g/l}$ (ppb) Resolution for water lead (Pb^{2+})
- One measurement within 4 minutes
- Measurement results match up with ICP-MS method's
- Leadership Disposable Nano-Gold Sensor Technology
- Easy operation for non-professionals

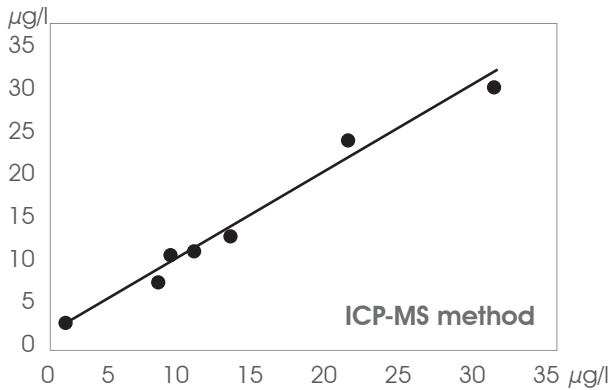


Lead in tap-water and drinking-water

Lead ions are dissolved by water in aging faucets and water conveyance pipes, and residual chlorine will enhance the lead ion dissolution effect. This is one of the largest sources of water lead. Heavy metal lead is particularly harmful to human beings, especially pregnant women, infants and children. According to WHO Guidelines for Drinking-Water Quality, the lead concentration of drinking-water / tap water should be under 10 $\mu\text{g/l}$, and the weekly intake volume of adults should be under 3mg/ per week.



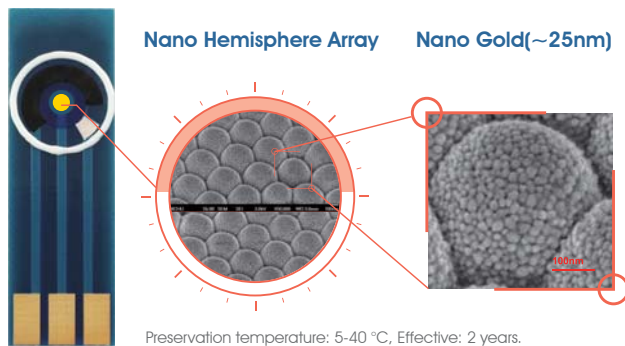
Accuracy > 95%



Specifications

Parameter	Water Lead Concentration
Application	Tap Water, Drinking Water
Range	0 -200.0 $\mu\text{g/l}$
Resolution	0.1 $\mu\text{g/l}$
Repeatability	95%
Sample Demand	0.20 ml
Measurement Period	195 Seconds
Principle	ASV
Electrode	Disposable Lead Sensor
OP Temperature	5°C ~ 40°C
OP Humidity	< RH85%
Weight	380 g
Dimensions	12.5*8.5*2.5 cm^3

Disposable Nano-Gold Sensor



PB200 Package

- Including:
- CSPB200 Lead Sensor Pack x10
 - Disposable Nano-Gold Sensor
 - 0.2 ml Pipette
 - Sample Tube (with 0.2ml Electrolyte)
- Standard Sample
- Charging Equipment
- Adapter 100-240V / 5VDC
 - Charging line
- Handbag

