# NO Sensor



**S1035 NO Sensor**

Measuring range: 0 ~ 250ppm

Accuracy: ±1%F.S

Resolution: 0.1ppm

The working principle of NO Sensor is measuring concentration of gas by using electrochemistry. The probe consists of electrode and electrolyte. The electrolyte is separated by a selective gas-permeable membrane. The gas diffusing in sensor occurs redox reaction on the surface of electrode. Current is generated in the electrode. The value of current is corresponding to the concentration of gas. Sensor converts the signal in electrode into analog signal.

**Component**

|  |  |  |  |
| --- | --- | --- | --- |
| No. | Model | Name | Picture |
| 1 | S1035 | NO Sensor | C:\Users\Administrator\Desktop\圆盘传感器玥玥\S1035 一氧化氮.pngS1035 一氧化氮 |
| 2 |  | NO Sensor electrode | C:\Users\Administrator\Desktop\圆盘传感器玥玥\气体类探头.png气体类探头 |

**Usage**

Connect NO Sensor to any port in SenseDisc.

Expose NO Sensor electrode in the air with NO to collect data.

**Typical experiment**

Produce NO using copper and dilute nitric acid

Reaction of NO and O2

Verify if NO is soluble

**Notes**

NO is a kind of colorless, odourless, poisonous and insoluble gas. Be careful when using it.

The electrode is gas-permeable membrane electrode. Try not to break the membrane when using the device.