



## 自然堆积密度计

### 型号:QL-1003

自然堆积密度计依据国家标准 GB/T 16913.3-1997 GB/T16913-2008的规定设计、生产。本装置适用于粉尘堆积密度的测定。试样的采集请参考 GB/T 16913.1-1997 粉尘物理实验方法第1部分：试样粉尘的采集中的相关规定。

### 原理

粉尘从漏斗口在一定高度自由落下充满量筒；测定松装状态下量筒内单位体积粉尘的质量，即粉尘堆积密度。

### 仪器结构

#### 1、漏斗(流出口直径12.7)

漏斗不锈钢材料制成，其中漏斗锥度为 $60^{\circ}\pm 0.5^{\circ}$ 。

#### 2、测量架

不锈钢材质，用于在粉尘装入漏斗时防止粉尘下落。

#### 3、天平(客户自备)

最大称量 300g；精度 0.01g。

#### 4、量筒

本装置配备一只容积为100ml 的不锈钢量筒，量筒内径为  $\Phi 39\text{mm}$ 。

#### 5、刮板

不锈钢材质，用于在粉尘装入漏斗时去除多余的粉尘。

#### 6、毛刷

清理仪器用

## Natural bulk density meter

On the basis of natural accumulation of the provisions of the national standard GB/T 16913.3-1997GB/T16913-2008 to the design and production of density meter. The utility model is suitable for the determination of bulk density of dust. Sample collection please refer to GB/T 16913.1-1997 dust physics experiment methods. Part first: the relevant provisions of the collection of dust samples.

### Principle

The dust from the funnel opening in a free fall height of full cylinder; Determination of bulk quality under the condition of the cylinder unit volume of dust, the dust density.

### The structure of the instrument

#### 1, the funnel (outlet diameter 12.7)

The funnel made of stainless steel material, wherein the funnel taper is 60 degrees plus or minus 0.5 degrees.

#### 2, measuring frame

The stainless steel material, used to prevent the falling dust in the dust in the hopper.

#### 3, the balance (customer owned)

The largest weighing accuracy of 0.01g 300g.

#### 4, a

This device is equipped with a volume of 100ml stainless steel cylinder, the cylinder diameter is  $\phi$  39mm.

#### 5, scraper

Stainless steel is used for removing dust into the funnel in unwanted dust.

#### 6, brush

Cleaning instrument