

## ***Laboratory Measurements***

### **Description of Application**

Laboratories of Many Types, Both Large and Small Do Testing and Research Requiring Gas and Liquid Flow Measurement, Usually at Relatively Low Flow Rates.

### **Rotameter Solution**

Rotameters Are the Flowmeters of Choice in Laboratories for Several Reasons:

1. They Are the Least Expensive Device for Low Flow Rates.
2. They Are Extremely Versatile - One Meter Can Be Used for All Different Fluids, Liquid and Gas by Simply Changing Scales.
3. They Are Easy to Read, and Reasonably Accurate.
4. They Are Portable, Can Be Used on Bench Top Applications With Hose Connectors.

### **How Installed**

Mounted on Test Panel - Hard Piped, or With Hose Adaptors and Hose  
Used Portably on Bench Top - With Hose Adaptors and Hose  
Used Clamped to Ring Stand - With Hose Adaptors and Hose

### **Method of Operation**

The Method of Use in This Category Is Infinitely Variable. Since the Tasks, Tests, Fluids and Flow Rates Change So Often the Use of Multiple Scales or Correction and Correlation Curves Is Advantageous.

### **Model Selection**

Nearly All Fischer & Porter Rotameter Models Could Be Used in Laboratory Applications. The Most Widely Used Models Are 10A4555, 10A6132, and 10A6133.

