

# Specimen Preparation

## Digital Bench Thickness Gauge

The Wallace Digital Bench Thickness Gauge accurately measures the thickness of rubber and similar soft materials using a constant pressure foot. The gauge conforms to international test standards and is widely used when testing rubber for tensile strength and compression.

The product is available with a 10 micron resolution gauge or a 1 micron resolution gauge.

### Features

- **Constant foot pressure**
- **Easy Height adjustment**
- **Digital-resolution of 0.01mm (S4/14) or 0.001mm (S4/15)**
- **Adapts easily to various ISO standards (a range of different feet and weights is available)**
- **Gauge capable of PC interface**

### Accessories

- Various diameter feet complying to a wide range of specifications can easily be attached to the dial gauge spindle.
- A range of additive weights can be placed in the carrier at the upper end of the spindle, which creates the specified foot pressure on the test piece.

### Other Offers

Many other material standards available.  
Contact Wallace to discuss your requirements.

### Principle of Operation

The 150mm diameter base provides a smooth flat surface upon which the test piece is placed. It is easy to exchange different feet and weights to comply with different standards.

Throughout the dial gauge travel (25mm), a constant force on the spindle ensures the foot pressure on the test piece is constant.

A lifting lever attached to the indicator raises the spindle and foot, allowing easy location of the test piece.



## Digital Bench Thickness Gauge

### Specifications

| Digital Bench Thickness Gauge |  |                             |
|-------------------------------|--|-----------------------------|
|                               | Model S4/14  | Model S4/15                 |
| Part Number                   | WAS4/14  | WAS4/15                     |
| Dimensions (mm)               | 200 (h) x 150 (w) x 150 (d)                                      | 200 (h) x 150 (w) x 150 (d) |
| Weight                        | 3kg  | 3kg                         |
| Indicator Travel              | 25mm   | 25mm                        |
| Resolution                    | 0.01mm   | 0.001mm                     |
| Feet Diameter                 | 3.7mm and 5.5mm Standard<br>** Special feet available on request |                             |
| Weight                        | 30g Standard<br>* Various weights available on request           |                             |
| Operating Temperature         | 10 to 40°C; Altitude 2000m maximum                               |                             |
| Humidity Range                | 10 to 80% RH non-condensing                                      |                             |

### Standards

Sample Prep: ISO 23529, ASTM D3767

