

- Provides ISO and BS standard pressures for testing carpets, underlays, nonwovens and geotextiles
- The design is easily adapted to meet the requirements of individual test standards
- Connects directly with optional software
- Suitable for a wide range of applications including: carpet thickness, carpet and underlay compression and recovery from compression, nonwovens, foam products, geotextiles, etc

The WIRA Digital Thickness Gauge has been designed to accommodate the wide range of different industrial standards that apply in specific industries. The unit comprises a standard universal thickness instrument for which accessory kits can be supplied to suit particular requirements.

For example, in carpet testing the instrument can be supplied with a pressure foot and a set of weights to give standard pressures from 2-200 kPa in order to test the determination of thickness and recovery from compression, whilst in nonwovens a different specification of presser foot is supplied.



Results are displayed on a digital indicator gauge that automatically zeros at the press of a button.

The standard gauge measures specimens up to a thickness of 25mm thus offering optimum resolution with flexibility for most applications. For samples greater than 25mm in thickness, alternative gauges are available.

Accessory kits:

Carpet testing:

Order Code **UTG:CPT**

Includes presser foot, reference plate, guard ring, and set of weights to produce pressures of 2,5, 10, 20, 50, 100, 150, and 200kPa.

Underlay testing:

Order code **UTG:UDL**

Includes presser foot, reference plate, guard ring, and set of weights to produce pressures of 2,5, 10, 20, 50, and 100 kPa.

RS232 Link Cable.

Enabling connection to PC.

Order code **UTG:CBL**

RS232 Download Software

Order code **UTG:SCF**

Dimensions:

Width: 300mm

Depth: 400mm

Height: 550mm

**Accessory kits also available
for nonwoven and geotextiles**

Conforms to:

ISO 1765:1986

**Determination of thickness of
textile floorcoverings.**

BS 4051:1987 (1996)

**Determination of thickness of
textile floorcoverings.**

BS 4098:1975 [1996]

**Determination of thickness,
compression and recovery
characteristics of textile
floorcoverings.**

BS5808:1991 (1996)

**Specification for underlays for
textile floorcoverings.**

Wools of New Zealand

test method 142

ISO 1766:1999 (BS)

**Textile floorcoverings:
Determination of thickness
of pile above the substrate**