



# B-GAGE

Easy to use and designed for operation in the field, the B-Gage is the new hand held variable velocity ultrasonic thickness meter from Sonatest.

Measuring Range: 1mm - 300mm

Resolution of 0.1mm

Auto Power Off

Powered by two AA size batteries

Metric version only

## Applications

Materials include metals, plastic, glass, ceramics or any material that satisfactorily conducts ultrasound.

Main application is to assess wall thinning due to corrosion/erosion, in the following example field environments:

- Heat Exchanger Tubing
- Pressure Vessels
- Castings
- Boilers
- Forgings
- Axles/Rails/Wheels
- Ship Hulls/Decking
- Machine Parts
- Storage Tanks
- Plate & Pipes



Typically operates for 18-10 hours  
on 2 AA cells

V-Path correction built in for  
increased accuracy

One Step calibration (for steel)

**Easy to use variable Velocity Gauge**

**Custom transducers available for various applications**



# B-Gage

# Specifications

## Physical

**Weight:** 200 g (10 ounces) with batteries.

**Size:** 65 W x 125 H x 30 D mm.

**Case:** ABS moulded case.

**Keypad:** Sealed keypad. 5 tactile feedback keys.

## Display

Multi-function 4 digit LCD with 0.500 inch numerals.

Displays thickness, velocity, battery check and coupling check.

Auto Power off: 3 minutes after the unit is switched on or last reading taken.

## Transducers

Dual crystal transmitter receiver type BG105.

Custom transducers available for special applications.

## Power Source

Two Alkaline or NiCad AA cells.

Typically operates for 18-10 hours on alkaline batteries.

Display flashes when battery is low.

## Measuring

**Overall Range:** 1.0 - 300.0 mm

Specified range depends on the test material, transducer, surface and temperature

Metric units only.

**Resolution:** 0.1mm

**Accuracy: (for standard probe DT201)**  
0.1mm (up to 60mm)  
+/- 0.3% (above 60mm)

## V-Path Correction

Built in for increased accuracy

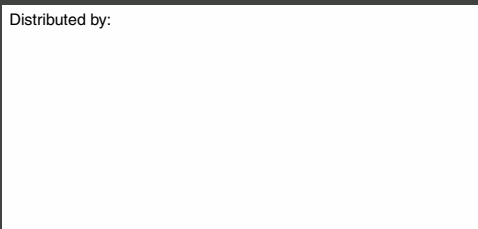
## Calibration

One step calibration (for steel)



Cert No: Q5036

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