

# TGD-100

## Ultrasonic Thickness Gauge

Starr Instruments Ultrasonic Thickness gauge with advanced features, such as 2-point calibration and limit alarm setting.

Adjustable sound velocity and wide measuring range up to 300mm (in steel) means it can be used to measure the thickness of metals, ceramics, glass, most plastics, rubber and any other material which an ultrasonic sound wave can penetrate.

Evaluate pipe wall thickness, corrosion of pressure vessels in NDT testing, check cast aluminium and iron automotive components such as blocks and heads for damage during reconditioning; power pylons and transformer frames for wear.



### FEATURES:

- Large, clear backlit LCD display
- 500 reading internal memory with data output capability
- Software included - export to PC via USB
- Optional thermal printer
- 2-point calibration for accurate testing across the range
- Alarm setting for minimum and/or maximum value
- Automatic probe recognition - multiple probes can be accepted with standard LEMO 00 connection

### TECHNICAL SPECIFICATION:

<b>Measurement Range</b>	0.75mm ~ 300.0mm (material/probe dependent)
<b>Display Units</b>	mm/inch (selectable)
<b>Sound Velocity Range</b>	1000m/s ~ 9999m/s (user adjustable)
<b>Display Resolution</b>	0.01mm or 0.1mm(selectable) (<100.0mm) 0.1mm (>99.99mm)
<b>Accuracy</b>	±(0.5% Thickness +0.04)mm (in steel)
<b>Internal Memory</b>	500 values stored in 5 groups & 5 Sound Velocities
<b>Power</b>	2 x AA batteries. Up to 100 hours operating time
<b>Dimensions</b>	150x74x32mm