

# TGD-100

## Ultrasonic Thickness Gauge

Starr Instruments Ultrasonic Thickness gauge with advanced features.

Adjustable sound velocity and wide measuring range up to 300mm 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.

### Main Features:

- Large, clear backlit LCD display
- 500 reading internal memory with data output capability. Export to PC via RS-232C cable using HyperTerminal or print to (optional) TA-230 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 to increase versatility.

### Technical Specifications:

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

