



TG-01

Ultrasonic Thickness Meter



Features

/ 11 common materials pre-configured

/ Battery powered

/ Easy to use

Description:

The ultrasonic wall thickness meter TG-01 can measure the layer thickness of a variety of materials because of their different sound speed ranges. There are 11 pre-configured materials. The device uses a specially developed, microprocessor controlled circuit to quickly calculate the run time of the reflected ultrasonic pulse with high accuracy. The TG-01s speed of sound can be adjusted between 500. .9000 m/s to determine the layer thickness of any materials. This has also the advantage, that the coating of a pipe does not need to be removed (non-destructive measurement).

Application:

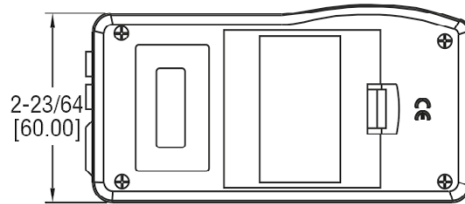
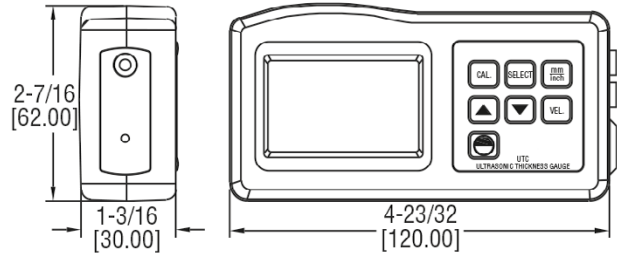
The TG-01s typical applications are to find the wall thickness of the pipe when programming a clamp-on ultrasonic transmitter without cutting or removing a section of the pipe. But it can also be used to test for wearing out of materials, corrosion and coating, for industrial applications, within the car- machine- or tool-industry, as well as for safety maintenance for any other kind of hollow body.



Technical Specifications:

Measuring range /	1.5 ...200 mm wall thickness
Resolution /	0.1 mm
Display /	10 mm, 4-digit, LCD
Battery /	4 x 1.5V AAA
Sound velocity /	500. . .9000 m/s (configurable)
Accuracy /	± 0.5%
Humidity /	< 80%
Temperature range /	0. . .50 °C
Materials /	steel, cast iron, aluminium, red copper, brass, zinc, quartz glass, polyethylene, PVC, gray cast iron, nodular cast iron
Dimensions /	120 x 60 x 30 mm
Weight /	approx. 170 g without battery
Certificate /	CE

Dimensions in inch [mm]:



Ordering Codes:

Order number	TG-01
TG-01 Ultrasonic thickness meter	