EESIFLO EES TG 11

MEASURE THICKNESS IN METRIC OR IMPERIAL UNITS

FEATURES

- ☑ Built in calibration test block
- ☑ Small and light weight
- ☑ Detachable sensor piece
- ☑ Easy operation

APPLICATIONS

- Wall thickness measurements of hard materials , piping and hull plates
- General inspection of metals including steel, cast iron, aluminium, copper, brass, titanium sheet metal, tanks, ships and piping systems
- Inspection of glass , ceramics and hard plastics

Non intrusive thickness measurements of

Heat Exchangers, Tubing ,Pressure vessels ,Castings ,Forgings ,Boilers, Plastic , metal and glass pipe Machined Parts, Axles ,Rails,Wheels, Storage Tanks, Steamlines, Flanges , Ship hulls ,Decking Airframes, Aircraft windows,Plates ,Slabs,Blooms ,Billets ,Bars ,Plastic Sheets ,Pipes ,Rolls Glass Plates ,Beams ,Extrusions ,Bridges and many other surfaces that are sonically conductive

OVERVIEW

The EES TG 11 is a multi purpose industrial type ultrasonic thickness gauge. It uses the transit time ultrasonic wave propagation principle to measure the thickness of materials of several types including metals and plastics. The probe acts as a sender and receiver of a 5 MHz ultrasonic signal and an internal counter calculates the time taken for the signals sending and receiving through the solid being measured. The EES TG 11 can be set at different acoustic velocities depending on the material being measured. The instruction book includes a table of acoustic velocities for some of the commonly used materials. In the absence of the acoustic velocity of the material being measured, it is still possible to measure materials of this kind if a representative sample is available of a known thickness.
Reliable and easy measurements can be made on storage tanks, heat exchangers, machine parts, rails, plates, wheels, forgings , castings and pressure vessels.

GENERAL SPECIFICATIONS

Range:	0.039in to 11.81in or 1mm to 300 mm	**Alarm:**	High & Low Alarm limit setting.
Resolution:	0.1 mm	**Dimensions:**	156mm X 80mm X 32mm
Display:	4 Digit Liquid Crystal	**Calibration Block:**	±0.2mm Steel
Velocity:	1000 – 9000 m/s	**Standard Sensor Operating Temperature:**	0 – 50 °C (other options available)
Battery:	Operated 2 x AA 20 hour operation and flashing when battery is low	**Automatic Power Off:**	within 2 minutes