

# EESIFLO EES TG 11

## Multi Purpose Ultrasonic Thickness Gage

MEASURE THICKNESS IN METRIC OR IMPERIAL UNITS



### 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

### Description:

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.

### 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

### Features

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

### Specifications:

**Range:** 0.039in to 11.81in or 1mm to 300 mm  
**Resolution:** 0.1 mm  
**Display:** 4 Digit Liquid Crystal  
**Velocity:** 1000 – 9000 m/s  
**Battery:** Operated 2 x AA 20 hour operation and flashing when battery is low

**Alarm:** High & Low Alarm limit setting.  
**Dimensions:** 156mm X 80mm X 32mm  
**Calibration Block:** ±0.2mm Steel  
**Standard Sensor Operating Temperature:** 0 – 50 °C (other options available)  
**Automatic Power Off:** within 2 minutes