PETROSYSTEM Srl

Ees Tg 10
Standard Industrial Thinkness Gauge

Description:
The EES TG 10 is a standard industrial type ultrasonic thickness gauge. It uses the transit time ultrasonic wave propagation principle to measure the thickness of a 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 10 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.

Features
- Built in calibration test block
- Small and light weight
- Alarm for high and low readings
- Easy operation

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

Technical Specifications:
Range: 1.2mm - 250mm
Resolution: 0.1 mm
Display: 4 Digit Liquid Crystal
Velocity: 1000 – 9000 m/s
Battery: Operated 9vdc

Alarm : High & Low Alarm limit setting.
Dimensions: 156mm X 80mm X 32mm
Calibration Block: ±0.2mm Steel
Operating Temperature: 0 – 50 °C
Automatic Power Off: within 2 minute

Via Gaspare Spontini, 29/4 - 00043 Ciampino (Roma) – Italy Tel:+39 06 7932.1621 Fax:+39 06 7932.1160 Email: info@petrosystem.it Web: www.petrosystem.it

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ULTRASONIC THIKNESS GAUGE — Multi Purpose EES TG 11

Reliable and easy measurements of Thickness In Metric Or Imperial Units For :
Heat Exchangers, Tubing, Pressure vessels, Castings, Forgings, Boilers, Plastic , Metal and Glass pipe, Machine Parts, Axles, Rails Wheels, Storage Tanks, Steam lines, 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.

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

TECHNICAL SPECIFICATIONS:

Range: 0.039” to 11.81” 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
Operating Temperature: 0 – 50 °C (other options available)
Automatic Power Off: within 2 minute

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