

AUDIT 106

Ultrasonic Thickness Gauge

FEATURES

- Standard DT25 probe supplied, with integral cable.
- 6mm test block mounted on front panel
- "Zero" Facility.
- On-board warning display eliminates risk of spurious readings.
- 10 pre-set calibrations for commonly inspected materials.
- Measuring Range 15mm - 99.9mm in steel.
- Resolution 0.1mm.
- Approx 100hrs battery life, under continuous use.

The Audit 106 is an exceptionally tough and rugged instrument delivering accuracy and simplicity in operation.

The standard DT25 probe is specially constructed to withstand the most arduous operating conditions and the roughest of handling. An integral probe lead is connected to the durable stainless steel probe housing via a flexible fitting to reduce the risk of breakage. The cable is further protected by a covering sheath, connecting to the instrument with a robust plug.

An alternative DT15 Probe with separate lead is available. The DT1, used with a spring loaded holder, is able to locate accurately on curved surfaces down to a radius of 20mm.

Audit ultrasonic thickness gauges have found ready applications in a wide variety of industries, including:

- Road Transport
- Chemicals & Petrochemicals
- Warehousing
- Food Manufacture
- Railways
- Shipping
- Offshore
- Civil Engineering
- Process Industries
- Defence
- Aircraft
- Glass
- General Engineering
- LPG and mains gas distribution
- Mechanical Handling
- Plastics
- Mines & Quarries
- Engineering
- Insurance
- Water Distribution
- Fabrication
- Paper
- Cement
- Forges & Foundries
- Tube-making

AUDIT 106 Specification	
General	The Audit 106 is a microprocessor controlled precision instrument housed in rigid injection moulded plastic cases, with front panel membranes ensuring excellent environmental protection.
Display	4 digit LCD
Range	1.5mm to 99.9mm (0.06' to 3.93") in steel.
Resolution	0.1mm or 0.001 in.
Accuracy	±0.1mm ±1 digit, or ±1%, whichever is greater.
Battery	2 x AA alkaline cells
Battery Life	Approx. 100 hours continuous use, equivalent to many weeks in practical application.
Low Battery Warning	Displayed when approx 10 hours continuous use remain available.
Auto Power Off	Instrument automatically powers off 60 seconds after last use.
Display Retention	5 seconds from probe lift off.
Environmental Protection	IP65
Temp Range	Operation 5°C to +55°C / 41°F to 131°F
Storage	-20°C to +70°C / -4°F to 158°F
Weight	290 grams / 10.2 ounces
Dimensions	151 x 82 x 33mm / 5.9" x 3.2" x 1.3"
Calibration	A105 Preset for steel only A106 Preset selectable programs for: 0 Steel 1 Stainless Steel 2 Aluminium 3 Copper 4 70/30 Brass 5 SG Iron 6 Flake Iron 7 Perspex/Nylon 8 PVC 9 Polypropylene Zero Facility Available
Confidence Check	A 6mm/0.24" thick test block, mounted on the front panel enables the operator to check at will that the instrument and probe are functioning satisfactorily.
Validity of Data	A decimal point only display indicates that the probe work piece coupling is inadequate, or that an out of range measurement is being attempted

Standard Kit:

Each instrument is supplied with: 2AA alkaline cells, DT25, 5MHz, probe fitted with integral probe lead, Operator Manual, moulded plastic transit case, Ultrasonic coupling agent in 125 ml container.

Optional Kit:

DT15, 5MHz, Probe, fitted with subvis connectors, Twin Probe Cable for use with DT15 Probe, Probe holder to allow use of DT15 Probe on curved surfaces down to a radius of 20mm, DT27 5MHz Side Entry Probe with subvis connectors.

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