



RFG-4000 and 4000 DL Ultrasonic Thickness Gauge



The RFG-4000 is a simple but rugged hand held ultrasonic thickness gauge that has been designed and built to satisfy the roughest industry conditions.

Made in the USA, and with features such as backlit LCD display, Scan Mode to capture minimum thickness, and data logging (RFG-4000DL only), the RFG-4000 is a quality tool that will meet or exceed their specific application needs. Our 5 year limited warranty indicates how we feel about the reliability and durability of the units.

Also available is the advanced RFG-4000DL which includes features such as alarm, and data logging.

Physical

Weight: 284 grams

Size: 63.5 W x 114.3 H x 31.5 D mm.

Operating Temperature: -30° to 50°C.

Case: Extruded aluminium body with nickel-plated aluminium end caps (gasket sealed).

Keypad

Sealed membrane that is resistant to both water and petroleum products.

Six or nine tactile-feedback keys.

Transducer

Dual-element (transmit and receive).

5MHz ¼" (6mm) Transducer supplied as standard. Other transducers 1 to 10 MHz frequency range available.

1.2m cable with quick disconnect LEMO connectors.

Custom transducers available for special applications.

Power Source

Two AA Batteries. Typically operates for 80 hours on alkaline batteries.

Display flashes when battery is low. Unit turns off automatically when battery is too low to operate reliably.

Display

Multi-function 4.5 digit liquid crystal display with 12mm numerals, backlit for use in poor light conditions.

Backlight is selectable on/off/auto (illuminates only when taking a measurement).

Bar graph indicates stability of reading.

Software

Comes complete with cable and PC software (4000 DL only).

Memory

Numeric data storage, 10 files of 100 readings per file, for 1000 readings (4000 DL only).

Certification

Factory calibration traceable to NIST & MIL-STD-45662A.

Warranty

5 year limited.

Measuring

Range: Measures 0.63 to 500 mm.

Range dependent on material and transducer type.

Units: Metric & Imperial

Resolution: 0.01 mm

Velocity Range: 1250 to 14,000 m/sec

Four readings per second for single point measurements.

Features (RFG-4000 DL Only)

Differential Mode: Enter acceptable thickness value, unit will display +/- the difference from the value entered.

Alarm Mode: Enter a minimum acceptable thickness value. If measurement falls below minimum, red LED will illuminate and sound beeper. If measurement is above minimum value, green LED will illuminate.

Data Output: RS232 serial interface. PC software & USB converter cable included.

Kit Contents

RFG UT Gauge, T-102-2000 5MHz ¼" transducer, 1 bottle UltraSoniX ultrasonic couplant, user manual, certificate of calibration, hard carry case. (4000 DL also includes data output cable, RS232-USB adaptor and PC Software)



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