

MiniTest 7200 FH/MiniTest 7400 FH

High-Accuracy Wall Thickness Measurement

The MiniTest 7200 FH/MiniTest 7400 FH is a portable thickness measuring device that offers the capability to precisely measure materials up to 24 mm thickness. The small size and portability of the device enables it to be operated in production areas and quality laboratories. The two models ensure easy, non-destructive and highly accurate wall thickness measurement on all types of non-ferrous products, regardless of their size, shape, and material.

They are ideal for applications where accurate measurement of sharp corners, small radii and/or complex shapes are required.

Two Models

MiniTest 7200 FH offers measurement capabilities including real-time thickness measurement, display of minimum and maximum readings, an offset mode, and automatic storage of up to 100,000 values.

MiniTest 7400 FH offers the same capabilities as the MiniTest 7200 FH plus statistical graphing, real time trend, data base with up to 200 batches and a larger memory for automatic storage of up to 240,000 readings, e.g. 1,200 readings per batch.

SIDSP® Provides Higher Accuracy

The MiniTest 7200 FH/MiniTest 7400 FH Gauging Systems incorporate sensor-integrated digital signal processing (SIDSP®). All measuring signals are digitally created and completely digitally processed inside the sensor itself. Only completely processed digital readings are transferred to the base unit for display, statistical analysis, and storage.

Two Sensors to Choose From

In order to maximize the accuracy of readings, two easily interchangeable sensors with a hardened tip and a variety of ball sizes are available to cover the various thickness ranges. The FH 4 sensor uses steel balls to



Reference balls with a specially coated finish and dimensional precision to obtain maximum reproducibility of readings.

measure from 0 to 6 mm and magnetic balls to measure up to 9 mm. The FH 10 sensor uses steel balls to measure from 0 to 13 mm and magnetic balls to measure up to 24 mm. The two sensor models are interchangeable and can be connected to any of the two gauge models.

Advanced Reference Ball Design

The MiniTest 7400 FH/MiniTest 7200 FH utilize specially treated reference balls. Balls of this design result in improved measurement reproducibility of up to 0.5%. Reference balls are available in 1 mm, 1.5 mm, 2.5 mm, 4.0 mm (FH 4), and 2.5 mm, 4 mm, 6 mm and 9 mm sizes (FH 10). The measuring range has been extended by magnetic reference balls so that also very thick walls can be measured such as engine parts made of aluminium or titanium or very thick-walled plastic containers.

Innovative Menu Control and Data Filing System

The MiniTest 7200 FH/MiniTest 7400 FH feature an easy to understand, menu-driven operator interface and data filing system, similar to common PC applications. Operational assistance is always available via context-sensitive help topics.



