



MBT7200/7400xt

PORTABLE THICKNESS MEASUREMENT GAUGES

MBT7200xt offers capabilities including real-time measurement, display of minimum and maximum readings, an offset mode and automatic storage of up to 100,000 values.

MBT7400xt offers the same capabilities as the MBT7200xt plus statistical graphing, real-time trends and a database with up to 200 batches and increased automatic storage of up to 240,000 values (1200 values per batch).



Perform high-precision measurements anywhere

High-precision thickness measurement of non-ferrous materials

Measure materials up to 9mm thick

Ideal for bottles, aluminum cans, glass and plastic components

The MBTxxt is a portable thickness measuring device that offers the capability to precisely measure materials up to 9mm thick. The small size and portability of the device enables it to be operated in production areas and quality laboratories. The MBTxxt provides easy, non-destructive and highly accurate thickness measurement of all types of non-ferrous products, regardless of their size, shape or material. It is ideal for applications where accurate measurements of sharp corners, small radii and/or complex shapes are required. A variety of ball sizes are available to cover thickness ranges from 0-9mm.

FEATURES

- Wear-resistant carbide sensor tip
- High-precision target balls for reproducible measurements
- Data capture up to 20 data points per second
- Sensor-integrated digital signal processing
- Multi-point calibration up to 5 points
- Large, easy-to-read display
- Display of minimum and maximum
- Menu-controlled user interface
- Context-sensitive online help

ADVANCED REFERENCE BALL DESIGN

The MBTxxt utilizes reference balls that are produced with a proprietary process featuring a specially coated finish and dimensional precision. Reference balls of this design result in improved measurement reproducibility of up to 0.5%. Standard reference balls are available in 1.5mm, 2.5mm, 4.0mm. Magnetic balls are also available in 1.5mm and 3.0mm for thicker measurements.

INNOVATIVE MENU CONTROL AND DATA FILING SYSTEM

The MBTxxt features an easy-to-understand, menu-driven operator interface and data filing system, similar to common PC applications.

The MBT 7200xt and 7400xt Gauging Systems incorporate integrated digital signal processing (SIDSP). All measuring signals are created and completely processed inside the sensor itself. Only completely processed digital readings are transferred to the base unit for display, statistical analysis and storage. Unlike analog devices, error influences of the measuring data during transfer are eliminated.

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