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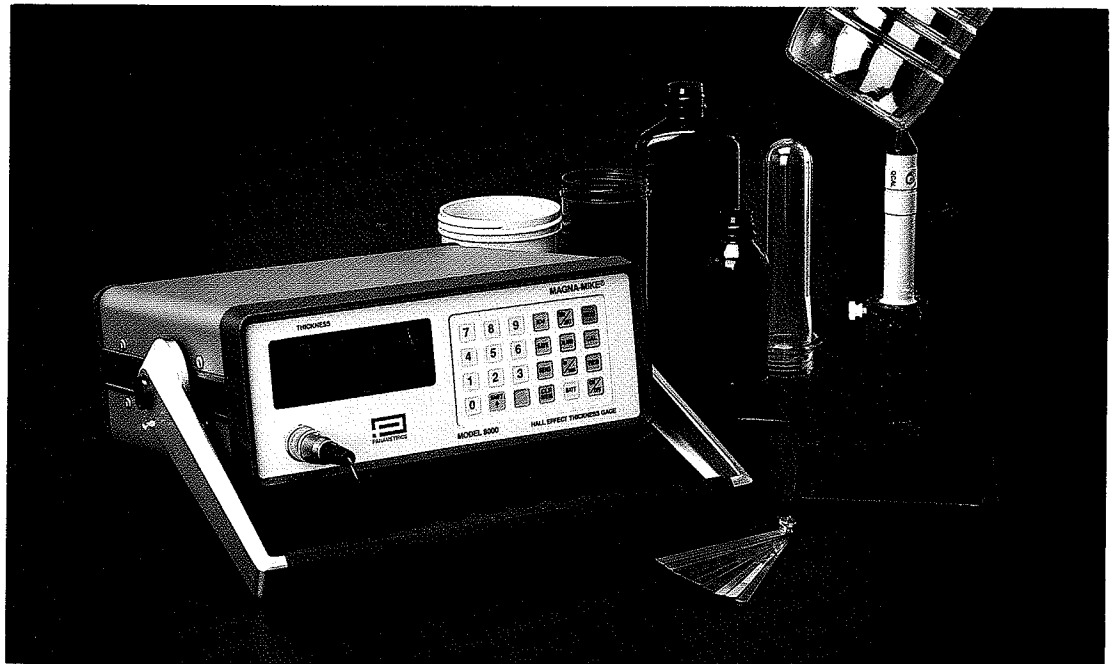
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MAGNA-MIKE® Model 8000

Hall Effect Digital Thickness Gage



Features

Measurement range of 0 to 0.250 inch (0 to 6.35mm).

Accuracy not dependent upon shape or internal properties of material being tested.

Thickness resolution of 0.001 or 0.0001 inch (0.01 or 0.001mm).

Min/Max mode holds minimum or maximum thickness reading until reset.

Programmable Hi-Low alarms with audio visual indicators.

English/metric readout conversion.

Large LED display with informational prompts.

Internal Datalogger

Serial RS-232 and parallel outputs for easy interfacing to printers, computers, and SPC devices.

Capacity to store up to 1000 thickness readings with ID codes.

Ability to review stored thickness readings directly on the gage without downloading information.

Introduction

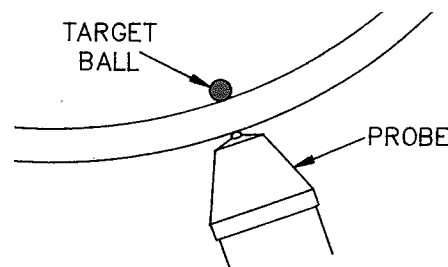
The Magna-Mike® Model 8000 Hall Effect Thickness Gage is an easy-to-use portable instrument that combines thickness measurements and data-logging functions in one field rugged package. The Magna-Mike makes nondestructive thickness measurements of all nonferrous materials such as: plastics, glass, rubber, composites, paper, aluminum, titanium, and more. It has a measurement range of 0 to 0.250 inch (0 to 6.35mm), and the measurement accuracy is generally not dependent upon the shape or internal properties of the material.

Thickness measurements are made when a magnetic probe is held against one side of the test material and a small steel target ball on the other side. The magnetic pull easily attracts the small ball. In the case of a bottle, this ball can be simply dropped

inside. A Hall effect sensor that is built into the probe measures the gap between the tip of the probe and the ball, then displays it as an instant digital thickness readout.

This simple procedure allows the operator to make fast, accurate and repeatable measurements in tight corners.

Parts can easily be moved or scanned across the probe while continuously reading thickness at a rate of 25 measurements per second. Various features, like Alarm or Min/Max hold, can be engaged so an operator is made aware of critical areas that are out of tolerance. As thickness readings are taken they can be conveniently saved in the internal datalogger, and later downloaded to a computer or printer for further analysis.





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