

## VERIMET® Model N7700 / N7710

- Sorts Gears, Bolts, Spindles, Roller Bearings, Shafts, Sprockets and Similar Parts for Comparative Hardness, Heat Treatment, Case Depth and Material Mix
- Automatic (optimum) Set-Up using “Learn Mode”
- Choice of 11 different Test Frequencies
- Sort using Phase, Amplitude or both
- Internal Storage for 10 different Part Programs and 1,000 Data Sets
- Built-in SPC for Data Analysis
- Interchangeable Probes and Coils
- Stable Test Results, even in difficult Environments
- Version available for Automated Testing in Static Mode (Verimet® 7710)

### Portable Eddy Current Tester



**THE CHOICE**  
for  
**QUALITY**

The Verimet® N7700 is a Portable, Microprocessor-Based Eddy Current Instrument for Heat Treat Verification, Alloy Sorting, Hardness Inspection and Case Depth testing of Ferrous Metal parts. Versatile and Accurate, it offers improved capabilities for a wide range of applications. The instrument is compact, lightweight and battery-equipped, so it is just as easy to use in the laboratory as it is in tough production environments. Interchangeable Probes and Coils are available to match a range of testing applications and conditions.

### APPLICATIONS

Originally designed for the automotive, metallurgical and defense industries, the Verimet® N7700 effectively tests parts whenever material grade and heat treatment are critical to product integrity. A spot probe or encircling coil can be used, depending on the application. The feasibility of performing a successful sort can be determined in minutes, without extensive training or time-consuming tests.

### FEATURES / BENEFITS

- **LEARN MODE** - From a small number of accept/reject part tests, the instrument will automatically select the optimum test frequency, test method (phase or amplitude) and sort limits for testing.
- **HIGHLY PORTABLE** - The lightweight (6 lbs.) design of the Verimet® N7700 makes on-location testing of large, bulky or difficult-to-move parts very simple.
- **STATISTICS** - Built-in SPC capability is enhanced by the ability to download the data in memory to floppy disks, hard drives, monitors or other programs for further analysis.
- **DUAL POWER SUPPLY** - A single battery charge permits up to 8 hours of continuous portable operation. An internal charging circuit is provided, along with an AC adapter for in-place testing. Line voltages are easily switch-able from 110 to 220.
- **VERSATILE TESTING** - The Verimet® N7700 tests any size part from small-diameter needle bearings to huge tank turret bearing journals. Standard connectors allow quick changeover from probes to coils. The following test frequencies are available: 50 Hz, 100 Hz, 200 Hz, 300 Hz, 500 Hz, 1 kHz, 2 kHz, 3kHz, 5kHz, 10 kHz, 20 kHz
- **OUTPUTS** - RS-232, audible and visual accept/reject indicators
- **SIZE** - 8.25" x 3.75" x 9.38" (21 cm x 9.5 cm x 23.8 cm) • **WEIGHT**: 6 lbs. (2.72 kg)

#### PROBES & ENCIRCLING COILS

Available in a variety of stock sizes or **custom-built** for special applications.

