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Clustering; 2.9.1 Location Calculation Based on Time Differences; 2.9.2 Clustering; 2.9.3 Sample Analysis Screen; 2.9.4 Visualization of Measurement Results; 2.10 Advantages and Limitations of AE Testing 2.10.1 Advantages2.10.2 Advantages of Using Operating Medium (Gas or Liquid); 2.10.3 Advantages Compared to Other NDT Methods; 2.10.4 Limitations; 2.10.5 Location Errors; 2.11 AMSY-5 Main Features; 2.12 AE Transducers; 2.13 Kistler Piezotron® Acoustic Emission Sensors and Couplers; 2.14 AE Sensor Construction; 2.15 Summary of AE Sensor Features; 2.16 Technical Specifications-8152B2 Sensor; 2.17 AE Coupler Features; 2.18 Technical Specifications-5125B Coupler; 2.18.1 Input; 2.18.2 Output; 2.19 Acoustic Emission Technology; 2.20 AE Applications; 2.21 AE Theory; 2.22 Applications
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2.26.8.2 Heavy-Duty Carrying Case

Sommario/riassunto

This updated Second Edition covers current state-of-the-art technology and instrumentationThe Second Edition of this well-respected publication provides updated coverage of basic nondestructive testing (NDT) principles for currently recognized NDT methods. The book provides information to help students and NDT personnel qualify for Levels I, II, and III certification in the NDT methods of their choice. It is organized in accordance with the American Society for Nondestructive Testing (ASNT) Recommended Practice No. SNT-TC-1A (2001 Edition).Following the author's logical organization an