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Nota di contenuto	Cover; Contents; Preface; 1. Introduction; 2. Analog and digital signals; 3. Signal conditioning; 4. The PC for real time work; 5. Plug-in data acquisition boards; 6. Serial data communications; 7. Distributed and stand-alone loggers/controllers; 8. IEEE 488 standard; 9. Ethernet LAN systems; 10. The universal serial bus (USB); 11. Specific techniques; 12. THE PCMCIA Card; Appendix A: Glossary; Appendix B: IBM PC bus specifications; Appendix C: Review of the Intel 8255 PPI chip; Appendix D: Review of the Intel 8254 timer-counter chip; Appendix E: Thermocouple tables Appendix F: Number systems Appendix G: GPIB (IEEE-488) mnemonics and their definitions; Index
Sommario/riassunto	* Covers all aspects of the data acquisition system from design and specification to programming, installation and configuration * Gives both the novice and experienced user a solid understanding of interfacing the PC and standalone instruments to real-world signals from the laboratory to the industrial plant * Provides a thorough grasp of PC data acquisition systems and the ability to design, specify, install

and configure and program data acquisition systems quickly and effectively. This book focuses on data acquisition and control using the PC and standalone instruments. The P
