

1. Record Nr.	UNINA9910956779503321
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Titolo	Practical data acquisition for instrumentation and control systems // John Park, Steve Mackay
Pubbl/distr/stampa	Amsterdam ; ; London, : Elsevier, 2003
ISBN	9786611002909 9781281002907 1281002909 9780080473833 0080473830
Edizione	[1st ed.]
Descrizione fisica	1 online resource (425 p.)
Altri autori (Persone)	MackaySteve
Disciplina	670.4275416
Soggetti	Automatic data collection systems Process control Computer interfaces Microcomputers
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
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 systemsAppendix 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

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