Record Nr. Autore	UNINA9910465119903321 Stern Robert M
Titolo	Psychophysiological Recording [[electronic resource]]
Pubbl/distr/stampa	Oxford, : Oxford University Press, 2001
ISBN	0-19-802734-6 1-280-76138-5 9786610761388
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (271 p.)
Altri autori (Persone)	RayWilliam J QuigleyKaren S
Disciplina	612.8 612.80287
Soggetti	Electronic books local Physiology Psychophysiology Research Methodology Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Cover Page; Title Page; Copyright Page; Dedication; Preface; Contents; Part I. General Elements of Psychophysiology; 1. Psychophysiology; Short History and Long Past; 2. Neurons and Muscles: The Sources of Psychophysiological Recordings; Organization of the Nervous System; Function of Nerve and Muscle Cells; Bioelectric Potentials; 3. Equipment Used in Psychophysiological Recording; Electrodes and Transducers; Polygraphs; Computers; 4. Psychophysiological Recordings; Spontaneous Responses; Tonic Activity; Phasic Activity; 5. Some Basic Principles of Psychophysiology; Arousal and Habituation Orienting, Defensive, and Startle ResponsesHomeostasis and Autonomic Balance; Law of Initial Values; Stimulus-Response Specificity and Individual Response Stereotypy; 6. Safety and Ethics in a Psychophysiology Laboratory; Safety; Additional Safety Principles; Ethical Considerations; Part II. psychophysiology of Specific Organs And Systems; 7. Brain: Electroencephalography and Imaging; Spontaneous EEGs; Event-Related Potentials; Brain Imaging Techniques; 8. Muscles: Electromyography; Physiological Basis; Recording Procedure; Typical

1.

	<ul> <li>Recordings; Common Problems; Analysis and Quantification</li> <li>9. Eyes: Pupillography and ElectrooculographyPupillography; Eye</li> <li>Movements; Electrooculography; 10. Respiratory System; Physiological</li> <li>Basis; Recording Procedures; Typical Recording; Analysis and</li> <li>Quantification; 11. Gastrointestinal Motility: Electrogastrography;</li> <li>Physiological Basis; Recording Procedure; Typical Recordings; Common</li> <li>Problems; Analysis and Quantification; 12. Cardiovascular System:</li> <li>Heart Rate; Cardiac Output; and Blood Pressure, Volume, and Flow;</li> <li>Physiological Basis; Heart Rate or Heart Period; Cardiac Output; Blood</li> <li>Pressure; Blood Volume and Flow</li> <li>13. Skin: Electrodermal ActivityTerminology; Physiological Basis; Skin</li> <li>Conductance; Skin Potential; 14. Signal Processing; Assessing Basal</li> <li>Activity; Assessing Change; Assessing Global Aspects of Physiological</li> <li>Signals; Part III. Applications; 15. Applications of Psychophysiological</li> <li>Recording; Five Categories of Psychophysiological Studies; Conclusions;</li> <li>Glossary; Index</li> </ul>
Sommario/riassunto	<ul> <li>PART I. GENERAL ELEMENTS OF PSYCHOPHYSIOLOGY 1.</li> <li>Psychophysiology 2. Neurons and Muscles: The Sources of</li> <li>Psychophysiological Recordings 3. Equipment Used in</li> <li>Psychophysiological Recording 4. Psychophysiological Recordings 5.</li> <li>Some Basic Principles of Psychophysiology 6. Safety and Ethics in a</li> <li>Psychophysiology Laboratory PART II. PSYCHOPHYSIOLOGY OF SPECIFIC</li> <li>ORGANS 7. Brain: Electroencephalography and Imaging 8. Muscles:</li> <li>Electromyography 9. Eyes: Pupillography and Electrooculography 10.</li> <li>Respiratory System 11. Gastrointestinal Motility: Electrogastrography 12. Cardiovascular System:</li> </ul>