



Principles of Receptor Physiology

By Werner R. Loewenstein

Springer Nov 2011, 2011. Taschenbuch. Book Condition: Neu. 244x170x34 mm. This item is printed on demand - Print on Demand Neuware - Why should there be a handbook of sensory physiology, and if so, why now? The editors have asked this question, marshalled all of the arguments that seemed to speak against their project, and then discovered that most of these arguments really spoke in favor of it: there seemed to be no doubt that the attempt should be made and that it should be made now. No complete overview of sensory physiology has been attempted since Bethe's 'Handbuch der normalen und pathologischen Physiologie', nearly forty years ago. Since then, the field has evolved with unforeseen rapidity. Although electric probing of single peripheral nerve fibers was begun by ADRIAN and ZOTTERMAN as early as 1926, in the somatosensory system, and extended to single optic nerve fibers by HARTLINE in 1932, the real upsurge of such single-unit studies has only come during the last two decades. Single-cell electrophysiology has now been applied to all sensory modalities and on almost every conceivable phylogenetic level. It has begun to clarify peripheral receptor action and is adding to our understanding of the central processing...



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