## Contents

I	Preface	page	xi
	Acknowledgments		XV
1	Numerical data and the meaning of measurement		1
î	Two examples of psychological measurement		5
	Quantitative relationships and the concept of measurement		12
2	Quantitative psychology's intellectual inheritance		24
	The classical concept of measurement		25
	The measurability thesis		33
	The quantity objection.		40
	Aporia and nexus		44
3	Quantity, number and measurement in science		46
	The theory of continuous quantity		47
	The theory of (measurement) numbers		59
	The theory of quantification		67
	Stevens' definition and the logic of quantification		76
4	Early psychology and the quantity objection		78
	Fechner's model for psychological measurement		79
	Applying Fechner's modus operandi		90
5	Making the representational theory of measurement		109
	Russell's transformation of the concept of measurement		110
	Campbell's theory of fundamental and derived measurement		121
	Nagel's positivistic representationalism		131
	From ratios to representations		137
3	The status of psychophysical measurement		140
	The Ferguson Committee		143
	The response to the Final Report		155

7	A definition made to measure	169
•	Stevens' thoroughgoing representationalism	16.
	Stevens' operationism	160
	Stevens' concept of number	17
	Stevens' 'revolution'	18
8	Quantitative psychology and the revolution in	
	measurement theory	191
	The revolution that happened	199
	Eluding the revolution	21
	In fine	216
Glossary		220
List of references		222
In	ndex	94