

1. Record Nr.	UNINA9910830454503321
Titolo	Comprehensive Mass Metrology
Pubbl/distr/stampa	[Place of publication not identified], : Wiley VCH Imprint, 2000
ISBN	1-280-55945-4 9786610559459 3-527-60299-2
Descrizione fisica	1 online resource (557 pages)
Disciplina	531/.14/0287
Soggetti	Mass (Physics) - Measurement Measurement Weights & Measures Physics Physical Sciences & Mathematics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Sommario/riassunto	Mass determination is of fundamental importance for science, technology and economics. Technical measuring systems range from ultramicro balances to weighing machines for freight trains; massive objects range from subatomic particles to galaxies. Comprehensive and topical, this reference work - edited by scientists of the Physikalisch-Technische Bundesanstalt, Germany - covers the whole field of mass determination. Starting from physical foundations, it describes virtually all measurement techniques in detail and gives a thorough overview over scientific experiments related to the determination of mass. Reports on contemporary problems, such as a new definition of the kilogram, historical excursions and an unparalleled list of references make this book an absolute must for everyone dealing with questions relating to mass determination in fundamental research, technical application, calibration service, and standardization, and also for teachers and historians.