

Contents

- Forward** 5
- A. Fundamentals** 7
 - 1. History of Measured Building Surveys
 - 2. What is measured and how?
 - 3. Applications and Economy
- B. Manual Measurement and Recording** 19
 - 1. Independent Systems of Measurement
 - 2. Establishing the Measurement Grid
 - 3. Calibration and Transfer of the Measurement Grid
 - 4. Measurement and Drawing
 - 5. Details
- C. Optical and Visual Aids** 35
 - 1. Optical Level
 - 2. Laser
 - 3. Theodolite
- D. Electronic Building Surveys** 41
 - 1. Properties
 - 2. Tachymeter/Total Station
 - 3. 3D-Scans
- Examples from the Activities of the Department** 52
- E. Photogrammetry** 71
 - 1. Definition and Terminology
 - 2. Correcting for Distortion
 - 3. Further Methods
- F. Planning a Comprehensive Building Survey** 79
 - 1. Project Organization
 - 2. Feature Analysis and Feature Catalog
 - 3. Room Data Sheets
 - 4. Mapping and Construction Phase Plans
 - 5. Methods of Dating
- G. Appendix** 97
 - 1. Presentation
 - 2. Glossary
 - 3. List of Illustrations
 - 4. Bibliography