

ISO 11904-2:2021-03 (E)

Acoustics - Determination of sound immission from sound sources placed close to the ear - Part 2: Technique using a manikin

| Contents | Page |
|---------------------------------------------------------------------------------------------------------------------------|-------------|
| Foreword | iv |
| Introduction | v |
| 1 Scope | 1 |
| 2 Normative references | 1 |
| 3 Terms and definitions | 1 |
| 4 Measurement principle | 2 |
| 5 Instrumentation | 3 |
| 5.1 Manikin (head and torso simulator)..... | 3 |
| 5.2 Check of calibration..... | 3 |
| 5.3 Filters..... | 3 |
| 6 Determination of free-field or diffuse-field related equivalent continuous A-weighted sound pressure level | 3 |
| 6.1 Measurement of manikin sound pressure level..... | 3 |
| 6.2 Conversion to free-field or diffuse-field related sound pressure level..... | 4 |
| 6.3 A-weighting and summation..... | 6 |
| 7 Test report | 6 |
| Annex A (informative) Examples of sources of measurement uncertainty | 7 |
| Annex B (informative) Example of an uncertainty analysis | 14 |
| Bibliography | 16 |