

DIN EN ISO 17201-1:2019-06 (E)

Acoustics - Noise from shooting ranges - Part 1: Determination of muzzle blast by measurement (ISO 17201-1:2018)

Contents	Page
European foreword	3
Foreword	4
Introduction	5
1 Scope	6
2 Normative references	6
3 Terms and definitions	6
4 Gun and ammunition	10
4.1 General	10
4.2 Gun	10
4.3 Ammunition	11
4.4 Ballistic parameters	12
4.5 Test situation	13
4.6 Other features	13
5 Basic concept for measurement and analysis	13
5.1 General	13
5.2 Quantity to be measured	15
5.3 Angular source energy distribution level	15
5.4 Interpolated angular source energy distribution level	16
5.5 Source energy level	16
5.6 Directivity	16
6 Measurement site	17
6.1 Site	17
6.2 Weather conditions	17
7 Measurement planning	17
7.1 General remarks	17
7.2 Gun	17
7.3 Measurement position	17
7.4 Measurement equipment	18
7.5 Dealing with projectile sound	18
8 Calibration and validation	18
9 Measurement procedures	19
9.1 General	19
9.2 Ground reflection correction	19
10 Control of measurement layout	19
11 Measurement uncertainty	20
11.1 General	20
11.2 Empirical part	20
12 Report	21
Annex A (informative) Small arms glossary	22
Annex B (informative) Example	33
Annex C (informative) Guidance on the measurement uncertainty	41
Bibliography	44