

DIN EN ISO 11145:2019-06 (E)

Optics and photonics - Lasers and laser-related equipment - Vocabulary and symbols (ISO 11145:2018)

Contents	Page
European foreword	3
Annex ZA (informative) Relationship between this European Standard and the essential requirements of Directive 2006/42/EC aimed to be covered	4
Foreword	5
1 Scope	6
2 Normative references	6
3 Terms and definitions	6
3.1 Beam position.....	7
3.2 Beam axis.....	7
3.3 Beam diameter.....	8
3.4 Beam radius.....	8
3.5 Beam width.....	9
3.6 Beam cross-sectional area.....	9
3.7 Beam waist.....	10
3.8 Divergence.....	12
3.9 Rayleigh length.....	12
3.10 Beam parameter product.....	13
3.11 Coherence.....	13
3.12 Polarization.....	14
3.13 Power and Energy.....	15
3.14 Pulse duration and repetition rate.....	16
3.15 Optical resonator.....	17
3.16 Mode.....	17
3.17 Spectral bandwidth.....	17
3.18 Relative intensity noise.....	18
3.19 Laser.....	18
3.20 Efficiency.....	20
4 Symbols and units of measurement	20
Annex A (informative) Explanation of the difference in terminology between IEC 60825-1 and ISO 11145	22
Annex B (informative) List of symbols	23
Bibliography	24
Alphabetical index	25