

# ISO 2533:1975-05 (E)

## Standard Atmosphere

---

Contents	Page
1 Scope and field of application .....	1
2 Basic principles and calculation formulae .....	1
2.1 Primary constants and characteristics .....	1
2.2 The equation of the static atmosphere and the perfect gas law .....	2
2.3 Geopotential and geometric altitudes; acceleration of free fall .....	2
2.4 Atmospheric composition and air molar mass .....	2
2.5 Physical characteristics of the atmosphere at mean sea level .....	3
2.6 Temperature and vertical temperature gradient .....	3
2.7 Pressure .....	4
2.8 Density and specific weight .....	4
2.9 Pressure scale height .....	4
2.10 Air number density.....	4
2.11 Mean air-particle speed .....	4
2.12 Mean free path of air particles .....	4
2.13 Air-particle collision frequency.....	4
2.14 Speed of sound.....	4
2.15 Dynamic viscosity .....	5
2.16 Kinematic viscosity .....	5
2.17 Thermal conductivity .....	5
3 Tables of the ISO Standard Atmosphere .....	5