

IS 3686: 1966 Student-Type Microscope — Specification

The standard IS 3686: 1966 specifies the requirements for student-type microscopes designed for educational purposes. This standard covers the technical specifications, including essential features and components necessary for accurate magnification, clarity, and durability suited for student use.

These microscopes are primarily used for educational purposes to teach the school and college students the basic microscope operating procedures and to carry out basic experiments. Therefore, these are designed for durability and affordability for repeated educational use.

This standard provides the methods of sampling, testing, and inspection to ensure consistent performance and reliability in educational environments. Additionally, emphasis is given to construction, magnification capabilities, and durability to facilitate easy use and maintenance by students. The standard also prescribes requirements for packing and marking to ensure safe transport and clear identification of microscope models, with safety precautions outlined for handling and usage.