

Indian Standard

SPECIFICATION FOR INSULATION RESISTANCE TESTER (ELECTRONIC TYPE)

0. FOREWORD

0.1 This Indian Standard was adopted by the Indian Standards Institution on 29 August 1983, after the draft finalized by the Electronic Measuring Equipment Sectional Committee had been approved by the Electronics and Telecommunication Division Council.

0.2 The electronic insulation resistance tester is a very convenient tool for the measurement of insulation resistance quickly and accurately. The manufacture of such testers in the country is increasing to meet the heavy demand. The preparation of this standard has been undertaken to serve as a guide for the production of such instruments conforming to certain minimum requirements.

0.3 This standard does not cover magneto generator type insulation resistance testers (*see* IS : 2992-1980*).

0.4 It is recognized that for insulation resistance testers certain additional provisions concerning environmental testing may be necessary. It is recommended that in such cases, these requirements should be a subject of agreement between the purchaser and the manufacturer.

0.5 For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test, shall be rounded off in accordance with IS : 2-19601†. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

1. SCOPE

1.1 This standard covers direct reading portable electronic insulation tester enclosing in the same case a dc to dc converter.

*Specification for insulation resistance testers (magneto generator type) (*first revision*).

†Rules for rounding off numerical values (*revised*).