0.1 This Indian Standard was adopted by the Bureau of Indian Standards on 18 December 1987, after the draft finalized by the Electromedical Equipment Sectional Committee had been approved by the Electrotechnical Division Council.

0.2 Diathermy equipment is employed to produce heating in the tissues of the body for therapeutic or surgical purposes. Diathermy equipment operating at a frequency not exceeding 300 MHz can be used either for surgical purpose or for therapeutic use. Microwave diathermy equipment, however, operates at a frequency range of more than 300 MHz but not exceeding 30 GHz and is generally used for therapeutic purposes only.

0.3 While preparing this standard, assistance has been derived from IEC 601-2-6 (1984) ‘Medical electrical equipment: Part 2 Particular requirements for the safety of microwave therapy equipment’, issued by the International Electrotechnical Commission (IEC).

0.4 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 or analysis, shall be rounded off in accordance with IS:2-1960*.

The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

*Rules for rounding off numerical values (revised).

1. SCOPE

1.1 This standard specifies requirements for microwave diathermy equipment of therapeutic purposes used in medical practice (hereinafter referred to as equipment) operating at a frequency range of more than 300 MHz but not exceeding 30 GHz.

1.2 This standard does not apply to the equipment specified for hyperthermia.