

(PREVIEW)

## *Indian Standard*

# VOLTAGE MEASUREMENT BY MEANS OF STANDARD AIR GAPS

*(First Revision)*

### 1 SCOPE

IEC 60052 sets forth recommendations concerning the construction and use of standard air gaps for the measurement of peak values of the following four types of voltage:

- a) alternating voltages of power frequencies;
- b) full lightning impulse voltages;
- c) switching impulse voltages;
- d) direct voltages.

Air gaps constructed and used in accordance with this standard represent IEC standard measuring devices in accordance with IEC 60060-2 and are primarily intended for performance checks of high voltage measuring systems.

### 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60060-1: 1989, High-voltage test techniques – Part 1: General definitions and test requirements  
IEC 60060-2:1994, High-voltage test techniques – Part 2: Measuring systems