

## SYNOPSIS

184

DOC. ETD 03 (11784)  
IS 17245 : 2019/  
IEC TR 61294 : 1993

### IS and Title:

IS 17245 : 2019/ IEC TR 61294 **Insulating liquids — Determination of the partial discharge inception voltage (PDIV) — Test procedure**  
: 1993

#### a) SCOPE:

This technical report describes a test procedure to measure the partial discharge inception voltage (PDIV). It is one of a group of methods which have been developed to describe the behavior of insulating liquids when subjected to high electrical stress. The method is applicable to all types of insulating liquids used in medium and high voltage equipment. Nevertheless the equipment described in this report may not be adapted to liquids with values of PDIV greater than 70 kV (see annex A of the standard). Complementary information may be obtained by the gassing properties (IEC 60628) and the lightning impulse breakdown voltage (IEC 60897) in addition to the widely used measurement of electric strength (IEC 60156).

#### Disclaimer :