



Cambridge Instruments  
& Engg. Co.

EST. 1963 · HOWRAH, INDIA

HV TEST SET · A.C. BREAKDOWN / WITHSTAND

# CIE/5050A

A.C. HV breakdown / withstand test set · memory device · zero-start interlock

## 01 KEY FEATURES

- Zero-start interlocking
- Memory device retains breakdown reading
- Selectable tripping current
- Analog moving-iron kV meter and milliammeter
- Cast-resin H.V. transformer
- Powder-coated M.S. cabinet



CIE/5050A · HV TEST SET

## 02 TECHNICAL SPECIFICATIONS

| PARAMETER         | SPECIFICATION                                                                |
|-------------------|------------------------------------------------------------------------------|
| Input             | 230 V $\pm$ 10%, 50 Hz, 1 phase A.C.                                         |
| Capacity          | 50 mA maximum on H.V. side                                                   |
| Tripping Current  | 25 mA & 50 mA - toggle switch selectable (standard)                          |
| Duty Cycle        | Intermittent - 5 min ON, 10 min OFF                                          |
| Mode of Operation | Manual                                                                       |
| Metering          | Analog moving-iron - kV meter & milliammeter, per IS 1248:1983 (not digital) |
| Memory Device     | Push-button switch retains breakdown reading after H.V. trip                 |
| Warranty          | 12 months against manufacturing defects only                                 |

Any tripping current setting apart from the standard 25mA/50mA above can be built to order.

## 03 AVAILABLE VARIANTS

| VARIANT          | OUTPUT RANGE | TRIPPING CURRENT                 |
|------------------|--------------|----------------------------------|
| CIE/5050A (3 kV) | 0–3 kV A.C.  | 25 mA & 50 mA, toggle selectable |
| CIE/5050A (5 kV) | 0–5 kV A.C.  | 25 mA & 50 mA, toggle selectable |

## 04 APPLICATIONS

- Breakdown/withstand testing of electrical and electronic components and materials
- Equipment and panel board dielectric strength testing
- HV withstand testing in production and site environments

## 05 WHAT'S IN THE BOX

- ✓ One pair of H.V. probe with cable

## 06 OPTIONAL ACCESSORIES

- + Alternate tripping current set point