



MM PD-8K KIT

Instructions for Use (IFU)

ELECTROSURGICAL INSTRUMENT INSULATION DEFECT DETECTOR KIT



McGan Technology's MMPD-8K

electrosurgical insulation defect detector kit contains a compact, battery operated base unit that is used to detect and locate defects such as pinholes and cracks in protective coatings applied over conductive instrument's surfaces.

APPLICATIONS:

- Insulation defect testing of electrosurgical probes and cables
 - ◆ Laparoscopic
 - ◆ Endoscopic
 - ◆ Intra-operative
 - ◆ Monopolar and bipolar surgical units
- Checks both disposable and reusable instruments

COMPLIANCE:

- ANSI/AWWA C213-94
- UL (Power transformer)
- CE marking in accordance with EMC Directive 89/336
- JIS G-3491, JIS G-3492
- FDA Registered K101606

CONTROLS:

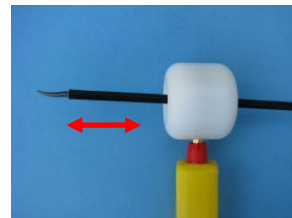
- LCD Display
- Voltage control
- Visual and audible alarm indicator with sensitivity control
- On Switch
- Off/Test Switch (momentary-on)
- High voltage probe connector
- 1.6A slow blow fuse (5x20mm)
- Ground port
- Charge connection (allows operation while charging)
- Slip-on battery pack

FEATURES:

- Design incorporates portable battery
- Minimum charge of 3 hours to obtain approximately 75% charge.
- Simple operation, easy to read LCD display
- Maintains applied test voltage with constant current source
- Full test current at low voltages. Alarm sensitivity control
- Limited Output current for operator safety
- Regulated DC output, adjustable from 0 to 8 kV
- LCD displays applied voltage and battery charge

VOLTAGE:

- Fully adjustable voltage selection from 0-8 kV DC



TYPICAL TEST VOLTAGES:

- 2.8kV +/- 0.3kV when using the LSE or Brush
- 4.2KV +/- 0.3KV when using the Tri-Hole

SPECIFICATIONS:

- Weight: 1.77 kg (3.91lbs)
- Display: LCD
- Voltage: 0 to 8kV adjustable
- Resolution: 10V
- Current Output: < 0.1mA at probe
- Short Circuit: Test current 0.1mA max
- Power Supply: NiMH 12v 3.3Ah 39.6Wh
- Dimensions: 260 x 160 x 70mm
10.25 x 6.3 x 2.75 inches
- Alarm: Audible and Visual

MM PD-8K KIT includes:

- Detector
- NiMH battery with AC charger
- Battery Charging clip
- Probe handle with 2m (6ft) lead
- 2m (6ft) lead ground with clamp
- 8mm (0.31inch) wide brass wire brush electrode
- Ring Electrode with brass wire
- Carrying case
- **Quick Operation Guide**
- **Training CD with PowerPoint and MS Word**

Components

1. Base Unit
2. HV (Red) wire with Yellow Handle and Red port
3. Ground (Green) wire with Alligator clip and Green port
4. Rechargeable Battery
5. Battery Charging Clip
6. AC Battery Charger
7. Voltage Knob
8. Alarm sensitivity Knob
9. On/Off button
10. LED Alarm
11. LCD high-voltage display with battery level indicator
12. LSE Ring
13. Brush
14. Tri-Hole (optional)



Middletown, Connecticut

Phone 508-876-1070
sales@mcgan.com

Fax 508-883-3434
www.mcgan.com