

## MICROMED PD-8K

### ELECTROSURGICAL INSTRUMENT INSULATION DEFECT DETECTOR

McGan Technology's *MicroMed PD-8K* electrosurgical insulation defect detector is a compact, battery operated 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

#### 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

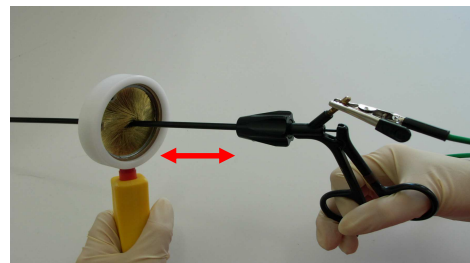


#### FEATURES:

- Design incorporates portable battery
- Fully charges in 10 hours (overcharge protection)
- Operational during battery re-charging
- 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:

- Bipolar Micro: 0.4 kV DC
- Bipolar Standard: 2.5 kV DC
- Monopolar: 4.2 kV DC

## SPECIFICATIONS:

- Weight: 2.2kg (4.85 lbs)
- Display: LCD
- Voltage: 0 to 8kV adjustable
- Resolution: 10V
- Current Output: < 0.1mA at probe
- Short Circuit: Test current 0.1mA max
- Power Supply: GellCell 1.5mA max
- Dimensions: 260 x 160 x 70mm  
10.25 x 6.3 x 2.75 inches
- Alarm: Audible and Visual

## MicroMed PD-8K KIT includes:

- Detector
- 10 hour battery with re-charger
- 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
- Standard Operating Instruction manual
- **Quick Operation Guide**

## 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 Recharging Port
6. Battery Charger
7. Voltage Knob
8. Alarm sensitivity Knob
9. On/Off button
10. LED Alarm
11. LCD high-voltage display



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