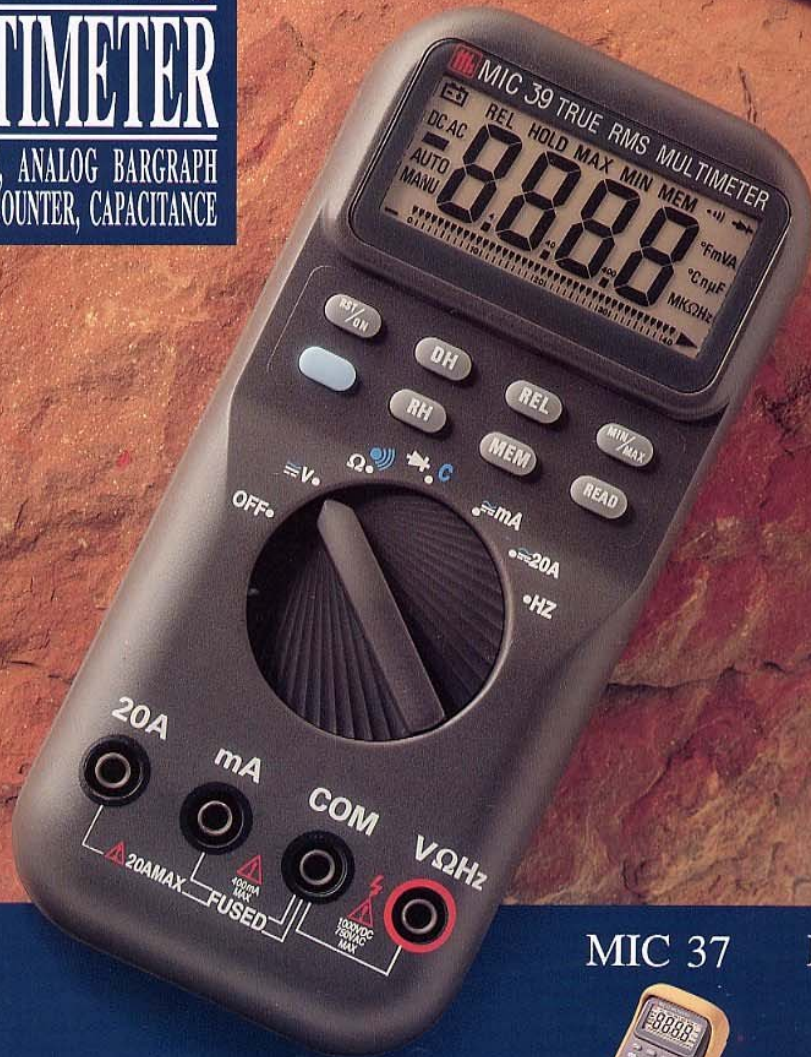


# AUTORANGE TRUE RMS MULTIMETER

3 3/4 DIGITS, ANALOG BARGRAPH  
FREQUENCY COUNTER, CAPACITANCE



MIC 37

MIC 39



**The Measure of Quality**

Optional Accessory : HC30 Holster

## MIC 37/39 Auto/Manual Ranging DMM

### Features:

- 3 3/4 digits, 0.67" high, Analog Bargraph LCD Display
- Capacitance and Frequency Measurements
- Autorange, Data Hold

- Up to 20A Measurement
- Sleeping Mode, Relative Mode
- Min/Max Display
- Memory and Read Functions
- True RMS Measurement (MIC-39 only)

### Measurement Range and Accuracy

#### DCV

| Range | Resolution | Accuracy | Protection             |
|-------|------------|----------|------------------------|
| 400mV | 0.1mV      | 0.3%+3   | DC 1000V<br>AC 750Vrms |
| 4V    | 1mV        |          |                        |
| 40V   | 10mV       |          |                        |
| 400V  | 100mV      |          |                        |
| 1000V | 1V         |          |                        |

#### ACV (True RMS responding DC Coupled for MIC-39) Average responding AC Coupled for MIC-37

| Range | Accuracy   | MIC-37/39     | MIC-39        | Protection             |
|-------|------------|---------------|---------------|------------------------|
|       | 50Hz-100Hz | 100Hz-500Hz   | 500Hz-1KHz    |                        |
| 400mV | 1%+5       | Not Specified |               | DC 1000V<br>AC 750Vrms |
| 4V    | 0.5%+5     | 2%+7          | Not Specified |                        |
| 40V   |            |               |               |                        |
| 400V  |            |               |               |                        |
| 750V  | 1%+5       | Not Specified | Not Specified |                        |

\* The accuracy applies from 5%~100% of range

#### DCA

| Range | Resolution | Accuracy | Protection |
|-------|------------|----------|------------|
| 40mA  | 10μA       | 0.5%+3   | 0.4A Fuse  |
| 400mA | 100μA      |          |            |
| 20A   | 10mA       | 1%+5     | 20A Fuse   |

#### ACA (True RMS responding DC coupled for MIC-39) Average responding AC coupled for MIC-37

| Range | Resolution | Accuracy | Protection |
|-------|------------|----------|------------|
| 40mA  | 10μA       | 1%+3     | 0.4A Fuse  |
| 400mA | 100μA      |          |            |
| 20A   | 10mA       | 1.5%+5   | 20A Fuse   |

\* Frequency Response : 50Hz ~ 500Hz  
The accuracy applies from 5%~100% of range

**AUDIBLE CONTINUITY CHECK : Less than 40 Ω**

**DIODE FORWARD VOLTAGE TEST**

#### RESISTANCE

| Range | Resolution | Accuracy | Protection               |
|-------|------------|----------|--------------------------|
| 400 Ω | 0.1Ω       | 1%+7     | 400V DC<br>or<br>peak AC |
| 4kΩ   | 1Ω         | 0.5%+7   |                          |
| 40kΩ  | 10Ω        |          |                          |
| 400kΩ | 100Ω       | 1%+2     |                          |
| 4MΩ   | 1KΩ        |          |                          |
| 40MΩ  | 10KΩ       | 2%+5     |                          |

#### CAPACITANCE

| Range | Resolution | Accuracy | Protection               |
|-------|------------|----------|--------------------------|
| 4nF   | 1pF        | 2%+5     | 400V DC<br>or<br>peak AC |
| 40nF  | 10pF       |          |                          |
| 400nF | 100pF      |          |                          |
| 4μF   | 1nF        |          |                          |
| 40μF  | 10nF       |          |                          |
| 400μF | 10μF       |          |                          |

#### FREQUENCY COUNTER

| Range  | Resolution | Accuracy | Protection                |
|--------|------------|----------|---------------------------|
| 100Hz  | 0.1Hz      | 0.5%+2   | 1000V DC<br>or<br>peak AC |
| 1KHz   | 1Hz        |          |                           |
| 10KHz  | 10Hz       |          |                           |
| 100KHz | 100Hz      |          |                           |
| 600KHz | 1KHz       |          |                           |
| 1MHz   | 10KHz      |          |                           |

Sensitivity : depend on range selected

#### General:

Display Type : 3 3/4 digits, 0.67" high,  
42 segment analog bargraph

Sampling Rate : 2 readings per second

Battery Type : Dual 1.5 Volts No.4 battery

Low Battery Warning : Display indicated  
when battery is 85% discharged

Operating Temperature : 0 ~ 40°C

Storage Temperature : -20 ~ 70°C

Relative Humidity : Less than 80%

Dimensions : 176 x 82 x 32mm (L x W x H)

Weight : 280 grams

Accessories : Test Probes, Spare Fuse (0.4A), Manual

Optional Accessory : HC30 Holster

# MOTECH

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Specifications subject to change without notice