

WARNING

HIGH VOLTAGE TESTING SHOULD ONLY BE CARRIED OUT BY TRAINED PERSONNEL.

DO NOT HOLD THIS INSTRUMENT IN CONTACT WITH ANY ENERGISED CONDUCTOR.

USE ONLY NIMH BATTERIES WHEN CHARGING WITH APPROVED 110/240 VOLT AC PLUG PACK.

THE MANUFACTURER DISCLAIMS ALL LIABILITY FOR LOSS OR DAMAGE SUFFERED AS A RESULT OF:

- (A) USE OF THIS TESTER BY UNTRAINED PERSONNEL OR
- (B) UNAUTHORISED ALTERATION OF THIS TESTER.

WARNINGS

The GLM Mini Water Pipe Tester is not designed to function where mains cables are armoured or enclosed in metal conduit or any situation where the AC field is negated by metal shielding. If a current is detected, there is no need to bring the detector any closer to the energised pipe.

HIGH VOLTAGE TRANSMISSION LINES PRODUCE A LARGE ELECTRIC FIELD THAT MAY INDUCE AN ARC OR FLASH OVER. THIS WILL DAMAGE THE INTERNAL CIRCUIT.

THE UNIT WILL NOT DETECT DC VOLTAGES AND MUST BE USED BY TRAINED PERSONNEL AROUND TRAIN TRACKS AND RAILWAY CONTROL BOXES AND SIGNALS.

CARRY POUCH



A nylon belt carry pouch protects in all on-site weather conditions. This can be worn on the belt with the GLM Mini active and will alert you to voltage sources of 7,000 volts or more at two metres away.

SPECIFICATIONS

Current Sensing Range: 2.1 amps to 1000+ Amps

Alert Visual: High intensity LED

Alert Audio: Electromagnetic piezo
85 dB @ 10cm (3.937')

Operating Temperature: -10 to 65°C (14 to 149°F)
IP rating: IP 40

Weight (no Batteries): 250g

Dimensions: L= 125 mm
W= 69 mm
H= 24 mm

Battery: 9 volt PP3 Alkaline
Rechargeable Battery: 9 volt PP3 NIMH 200mA
(use only NIMH)

Battery Life: (200mA NIMH Rechargeable)
ON (no alarm) 30+ Hours
ON (alarm on) 10+ Hours

Battery Life: (500mA Alkaline)
ON (no alarm) 70+ Hours
ON (alarm on) 15+ Hours

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G.L. MCGAVIN

NON CONTACT VOLTAGE DETECTOR

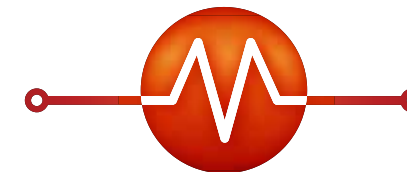
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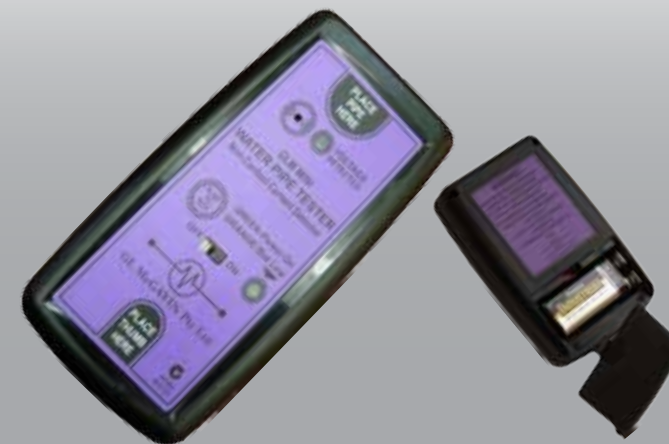


G.L. MCGAVIN

MODIEWARK

GLM MINI AC NON-CONTACT
CURRENT DETECTOR

MODEL- WPT (Water Pipe Tester)



WARNING

High voltage testing should only be carried out by trained personnel do not hold this instrument in your hand and make contact with live electrical conductors in excess of 650 VAC.

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GLM MINI SWER & POLE

The Modiewark GLM Mini Water Pipe Tester is a universal pocket size proximity non-contact current detector, operating in the AC current range. The unit is preset to detect 2.1 amps and over.

The GLM Mini Water Pipe Tester has been designed for testing mains and secondary water pipes, in commercial and residential areas to detect a fault current over a preset current of 2.1 amps. The unit is designed for qualified and trained personnel in the electrical and plumbing fields and line industries.

PART IDENTIFICATION



BATTERY REPLACEMENT



The Battery is located on the rear of the tester and requires a 9 volt PP3 Alkaline Battery. Ensure the battery is fitted the correct way placing the positive terminal as indicated on the inside base of the battery compartment.

LOW BATTERY INDICATOR

To the bottom right of the tester an **ORANGE** indicator light will appear when battery level reaches 8.1 volts this indicates the battery should be replaced or charged.

(See: battery replacement)

SELF TESTING FEATURE

The Self Test button is located on the front face of the Tester. This is a full function test of all components of the unit testing:

- Audio indicator
- Visual indicator
- Battery condition
- Transistor circuit verification

The Self Test function has a two second delay between deactivation of Self Test and normal detection mode.

This feature should be activated every time the unit is turned on and at regular intervals during the working day. In the event the Tester fails please refer to (Service and Trouble Shooting).

GL McGavin Pty Ltd cannot authorise the method of use. Power Distribution Authorities have trained personnel who can advise on operation and use.

UNIT OPERATIONS

- 1) Switch the unit to the "ON" position a **GREEN LED** power light will immediately illuminate, indicating a good battery connection and circuitry connectivity
- 2) Confirm the low battery LED is still **GREEN** and continue to step 4. If **ORANGE** LED illuminates, replace battery and repeat steps 1-2.
- 3) Press the *Self Test Button* to check the unit is operating correctly. A repeating tone will be heard, indicating a correct operation. A two second delay will occur between the self test operation and the normal unit detection operation.
- 4) Always hold the GLM Mini with your thumb placed on the indicated position with your arm outstretched. This allows maximum detection distance. The closer the unit is to the trunk of the body the lower the detection distance.
- 5) When approaching a water pipe or fitting always use care when unsure of electrical potential.

Approach the water fitting at right angles to the pipe as shown in the figure below.**CORRECT**



6) If a current over 2.1 amps is detected a tone will be heard and a red LED will flash.

7) DO NOT PANIC and commence isolation procedures to protect others from the fault. Contact your supervisor or electrical contractor for assistance.

Please Note: This unit is not a voltage detector and will not detect voltage sources with a current usage of under two amps. This product must be used by trained personnel.