

MODIELIVE MODIEWARK TESTER

The Modielive is designed to be used in conjunction with the Modiewark non-contact voltage detector. The Unit produces an EMF (electro-magnetic field) which can be detected by the Modiewark to prove the Modiewark is working correctly.

The Modielive produces enough EMF to allow the Modiewark to be tested at the 500,000 volt setting At a distance of 50 mm.

The Modielive can be packaged with a Modiewark non-contact voltage detector for a complete and confident testing solution.

MODIELIVE / MODIEWARK KITS

The Modielive & Modiewark bag and case are a safe and practical method of storing and transporting your Spout tester, with various sizes to suit all combinations.



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.

MODIEWARK

The Modiewark is a Non-Contact Voltage Detector that detects the presence of an alternating electric field. Its unique switching action allows for the identification of alternating currents at 250mm to 300mm away from a voltage source of 110 to 750,000 volts.

The Modiewark is used by industry professionals for live or dead voltage determination of outdoor overhead or underground at URD test points. The unit works indoor tracing voltage sources in power boards and cable fault detection.

The unique nature of the sensor plate within the unit allows for directional checks such as checking low voltage when high voltage is nearby. Induced voltage on isolated conductors are checked by increasing the Modiewark sensitivity.



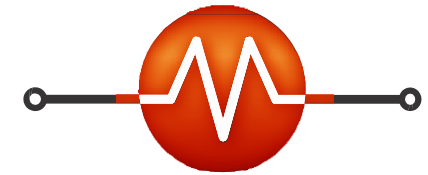
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G.L McGAVIN

NON CONTACT VOLTAGE DETECTOR



G.L McGAVIN

MODIEWARK SPOUT 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.

PART IDENTIFICATION



SPOUT DESIGNS

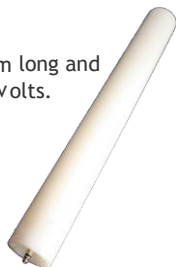
The spout length can be configured for any purpose that is required, information on this can be obtained from our sales staff or web site.



The Spout heads can be configured to any length up to 400 mm and as short as 50 mm. The diameters of the head of the spout can vary to fit the application 20mm dia to 46 mm dia.

A high voltage spout is available. This spout is 400mm long and 45 mm dia the tested breakdown voltage is 100,000 volts.

Each spout tester has NATA certification for the first 12 months. Re-testing is available on return of the tester and spout.



SPOUT TESTER

The Modiewark spout tester is used specifically for the testing of live or dead spout applications up to 33kv. The Modiewark spout tester can be configured with, any voltage range required starting with 240 volts and ending in 33kv.

UNIT OPERATIONS

- 1) Turn the unit ON to the 240 volt switch setting (the first switch setting). This will allow for the most sensitive voltage detection.
- 2) Screw the spout into the spout head by placing the pin in the socket and turning in a clockwise direction. As the spout is being screwed in the unit self test function will activate indicating that the spout is being screwed in and is working properly.



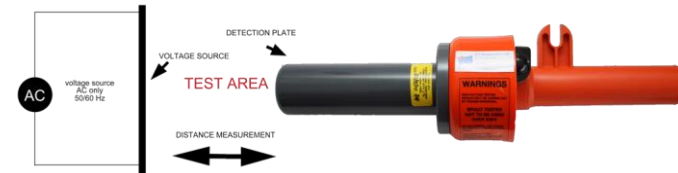
Note: The spout tester will not activate if the spout is disconnected preventing the unit being used without a sensor plate.

- 3) Hold the unit in the left or right hand by the handle below the sunrise fitting or for higher voltages an insulation stick or hot stick is recommended.
- 4) Listen and watch for the self testing function which will start automatically. If this does not occur there may be a few possibilities to consider before taking out of service:-

- Remove the handle and check that the batteries are placed in the correct way and the battery strap is in place, shake handle and re-screw into place.
- If the self test is still unresponsive the unit may be faulty take out of service and return for repair.
- If the pulses are 2 to 3 seconds apart or greater this indicates a low battery status and batteries will need to be replaced.
- The spout is not screwed in correctly, undo spout and clean pin and check if pin is in good order re-screw in spout.

- 5) To verify the tester using outside influences:-
 - Place the tester against live power outlet or equivalent above 110 volts AC.
 - Rub the instrument head as marked on cloth or clothing to obtain static charge.
 - Set switch at 35kV Overhead setting and place head of unit as marked against the spark plug of a running truck or car engine.
 - Use the Modielive tester to test the activation of the unit on the 240 to 500,00 volt setting.

- 6) Point the end of the spout detector towards the area under test.

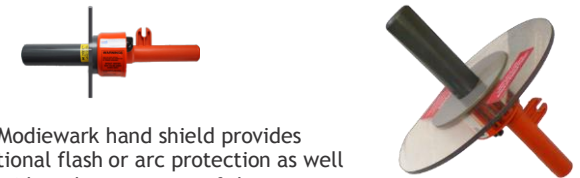


- 7) If no tone is heard at this point on the 240 volt setting move the tester closer to the conductor under test, until the head of the tester is almost touching the conductor at this point the voltage is below 50 volts ac.

- 8) If the tester activates meters away from the known source, this may not prove the signal being picked up is from that source. Use the voltage range switch to determine the voltage required for the voltage test, by moving the switch settings higher as you approach the power source under test. The unit is designed to activate 200 to 300mm away from the voltage source hand held.

SPOUT WINGS /HAND SHEILDS

A Modiewark can be fitted with wings or depth limiters, these limiters allow the unit from entering restricted compartments and allow constant depth readings over many tests over time.



The Modiewark hand shield provides additional flash or arc protection as well as accidental movements of the operator.

SPECIFICATIONS

Voltage Setting Range:	50v AC to 33KV
Light source:	3*High intensity LED
Sound Source:	Electro-magnetic piezo 85 dB @ 5cm
Operating Temperature:	-10 to 65°C (14 to 149°F)
IP rating:	IP 63
Weight:	(no Batteries) 900g
Dimensions:	L= 240 + Length of spout W = 1.2kg (150mm Spout) Cap diameter 90mm (3.5')

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