Technical Datasheet

Digital Earth Leakage Tester
Model LT-02

Features

- The LT-02 measures the insulation resistance between electrical blasting circuits and earth on a large liquid crystal display, which is easily read in both daylight and poor lighting underground.
- The LT-02 utilizes alternating current to prevent the false readings inherent in DC measuring instruments, due to polarization effects.
- Certificates of approval: GME no. CT5.

Operation

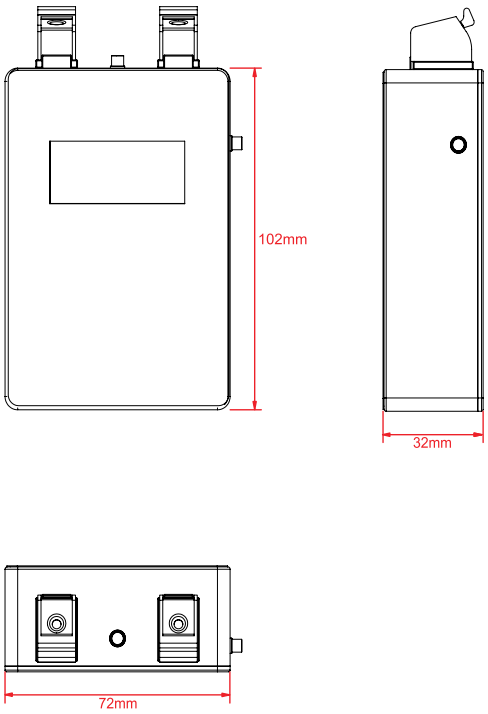
- The LT-02 is recommended for blasts involving a number of electric detonators.
- SABS approved and safe for testing electric initiators at the work face. Permission to do so must be obtained from the DMR and all MHSA regulations must be adhered to.
- The LT-02 is powered by a replaceable PP3 9V Zinc Carbon battery and is capable of 80 hours of continuous use.

Notice and Maintenance

- All service work to be performed by authorised AEC Electronics personnel only.
- Approved for use in fiery mines.
- The LT-02 should only be opened to replace PP3 9V Zinc Carbon battery.
- Exposure to temperatures above 60°C will cause permanent damage to the liquid crystal display.

Specifications

Unit Dimensions



Approval Certificates		GME No. CT5.
Output Current		Square wave AC less than 1mA peak to peak.
Output Voltage		Less than 18V peak to peak.
Output Frequencey		250Hz.
Test Range		0-19.99kΩ.
Accuracy		Better than 5%.
Battery	Type	PP3 9V Zinc Carbon.
	Capacity	80 hours of continuous use. Replace when display shows LO BAT.
Construction		Solid state circuitry encapsulated in silicone rubber.
Unit Dimensions		102mm x 72mm x 32mm.
Unit Mass		0.25kg.
Temperature Range		-5°C to 45°C.

Warning and Disclaimer

The information and recommendations in this document are provided for reference purposes only and should not be construed as advice to cover every application of the product or variation of conditions under which the product may be used.

AEC Electronics (Pty) Ltd P.O.Box 958, Kempton Park, 1620, South Africa
Tel: +27 11 975-1643 Fax: +27 11 975-1680
Email: sales@aece.co.za http://www.aece.co.za