



## **Automatic Digital Circuit Testing Ohmmeter DIGOHM**

Measuring ranges 0,0-2000 (1999) ohm

Measuring current: maximal 4 mA

Automatic selection of measuring range with or without decimals appropriate to the given resistance of circuit (auto-ranging)

Automatic switching on and switching off of instrument

Automatic zero adjustment

Water proof - antistatic - certificate for gassy mines applied for

Battery: 1,5 V – type AA

15.000 - 20.000 measurements with one battery

light weight - extremely handy size

Dimensions: 135 x 80 x 22 mm

The circuit testing Ohmmeter type DIGOHM is an extremely sturdy and handy testing ohmmeter, which, by the application of our long experience in the production of circuit testing ohmmeters for the mining industry, has been specially developed to withstand the rough handling encountered in the shot firing practice.

The printed circuit is protected by a sturdy antistatic plastic housing and is sealed in by means of a special synthetic compound to give optimum protection against mechanical impact and moisture. The battery is located in a separate sealed compartment accessible with a Phillips screwdriver. The LCD-display with a digit size of 13 mm is easily readable under all circumstances. A built-in electronic device selects the appropriate measuring range with or without decimals depending on the circuit resistance. Thus optimum measuring accuracy is always obtained.

If the power source gets exhausted and the tension of the battery drops this is indicated by "LO BAT" showing up permanently in the upper left field of the display. Afterwards the battery should be exchanged within the next 500 measurements. While connecting and disconnecting the wire from the terminals the sign "LO BAT" is blinking to show that all digits are working.

If the display shows only the digit 1 on the left side the resistance of the circuit is greater than 1999 ohm.

Since the automatic switching on and the selection of the measuring range are electronically steered there are no mechanical devices in this instrument. This tremendously increases the reliability of the DIGOHM Ohmmeter.

### **Measurement**

When the bare wire ends of the electric detonators or the leading lines of a whole firing circuit are connected with the terminals or the contact surfaces the DIGOHM Ohmmeter is switched on and the resistance value is indicated in digits. The calculated value for a given firing circuit should correspond within close limits to the resistance values indicated by the ohmmeter, otherwise the circuit must be inspected and the contacts improved.

### **Maintenance**

The DIGOHM Ohmmeter does not need any maintenance at all apart from keeping it clean and tidy. The battery should be exchanged at least once a year and the battery contact leaf springs should be cleaned at the same time or perhaps at shorter intervals to avoid possible interruption of power supply.

Leak proof batteries should be used.