

# BLASTING OHMMETER OSH-1



Catalogue card



## DESCRIPTION

Blasting ohmmeter type OSH-1 is designed for precise measurement of the resistance of blasting lines, blasting circuits and single electric detonators. Measurements may also be carried out in mine faces, close to loaded explosion material in blast holes. The device has two measurement ranges,  $00.00 \div 99.99 \Omega$  and  $100.0 \div 1999.9 \Omega$ , and, therefore, may measure any blasting network with electric detonators. Blasting ohmmeter type OSH-1 may be used in all underground and strip mines. The ohmmeter has a high-quality plastic casing. It does not have a power switch or change of range switch. The switching-on and change of measurement range is done automatically. Each time before it is given out, a check of its measurement current is required. The measurement current is checked by means of OSH-1T tester. The ohmmeter and the tester are subject to detailed periodic control at the manufacturer's or at the "GIG KD Barbara" Test Mine.

The ohmmeter has Technical Opinion No. 02/05 of 12.07.2005r which granted it the mark KDB05EXP-D01 in accordance with Directive 93/15/EEC (EXP) and meets all requirements of the standard: PN EN 13763-26: 2005 for blasting equipment. It also has type EU Test Certificate No. KDB05ATEX093 according to Directive 94/9/EU (ATEX) and meets all requirements of the standards: PN EN 50014: 2004, PN EN 50020: 2005.

## BASIC TECHNICAL PARAMETERS

### Blasting ohmmeter OSH-1

Measurement range	$00.00 \div 99.99 \Omega$ and $100.0 \div 1999.9 \Omega$
Power supply	Battery 9V 6F22
Digital readout	4 i 1/2 digit
Power supply autonomy	48h of continuous measurement
Working temperature range	$-10^{\circ}\text{C} \div +40^{\circ}\text{C}$
Measuring accuracy	$\pm 2\%$
Maximum measurement current	1 mA
Maximum emergency current	5 mA
Dimension	152 x 83 x 33,5mm
Weight	0,4 kg
Casing internal protection	IP 65

## EXPLOSION-PROOF MARK



EC type examination certificate: KDB 05 ATEX 093X