 <p>ISO 9001 OBAC/002/SZJ/20</p>	<p>P.H.P.U. IZOL PLAST Sp. z o.o. 44-362 Rogów ul. Raciborska 79 tel./fax 32-4512444, 32-4512010 www.izol-plast.rogow.pl</p>	<p>INDEX CARD</p> <p>Battery leakage meter type MUB-3A</p>
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The MUB-3A battery leakage meter, as a device of normal construction, is a microprocessor meter used to measure the following parameters:

- voltage of traction battery and individual cells;
- resistance of the lining of the traction battery box according to the BN-81 / 0462-03 standard - "Flameproof battery boxes. Requirements and tests";
- battery leakage voltage;
- battery cell electrolyte temperature.


Battery leakage meter type MUB-3A

power supply	Internal battery Ni-MH 7.2V 2200 mAh or for the charging time external stabilized power supply 12V DC 500mA
input resistance	150kΩ+/-2%
current consumed	16mA (30mA with LCD backlight)
dimensions	50x120x90mm
mass	about 0,4kg
the degree of protection of the housing	IP20
measuring voltage range	0-180V DC
relative error of the measured voltage	+/- (1,5%+ 1 digit)
range of measured temperature	0-75 °C
relative error of measured temperature	+/- (2 °C)
range of measured resistance	0-1000MΩ
relative error of the measured resistance	+/- (4% + 1 digit)



The MUB-3A battery leakage meter may only be used in rooms with no methane explosion hazard - grade "a" and classified as class "A" of coal dust explosion hazard.

The MUB-3A battery leakage meter is a normal construction device with IP20 protection degree.

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The kit includes:

- Battery leakage meter MUB-3A;
- Test leads with operating voltage $U_0 / U = 450 / 750V$ - 3 pieces: red (length - 2.5 meters), blue (length - 2.5 meters), black (length - 1.5 meters);
- Temperature probe with a cable with an operating voltage of $U_0 / U = 300 / 300V$, 3 meters long;
- Data transmission cable;
- Metal box for the above-mentioned elements of the set;

ZS12 / 0.5M stabilized power supply (packed separately).

The MUB-3A battery leakage meter has a certificate of compliance No .: OBAC / 0058 / CZ / 18 of 27/04/2018 issued by the Center for Testing, Attestation and Certification OBAC Sp. z o. o. in Gliwice.