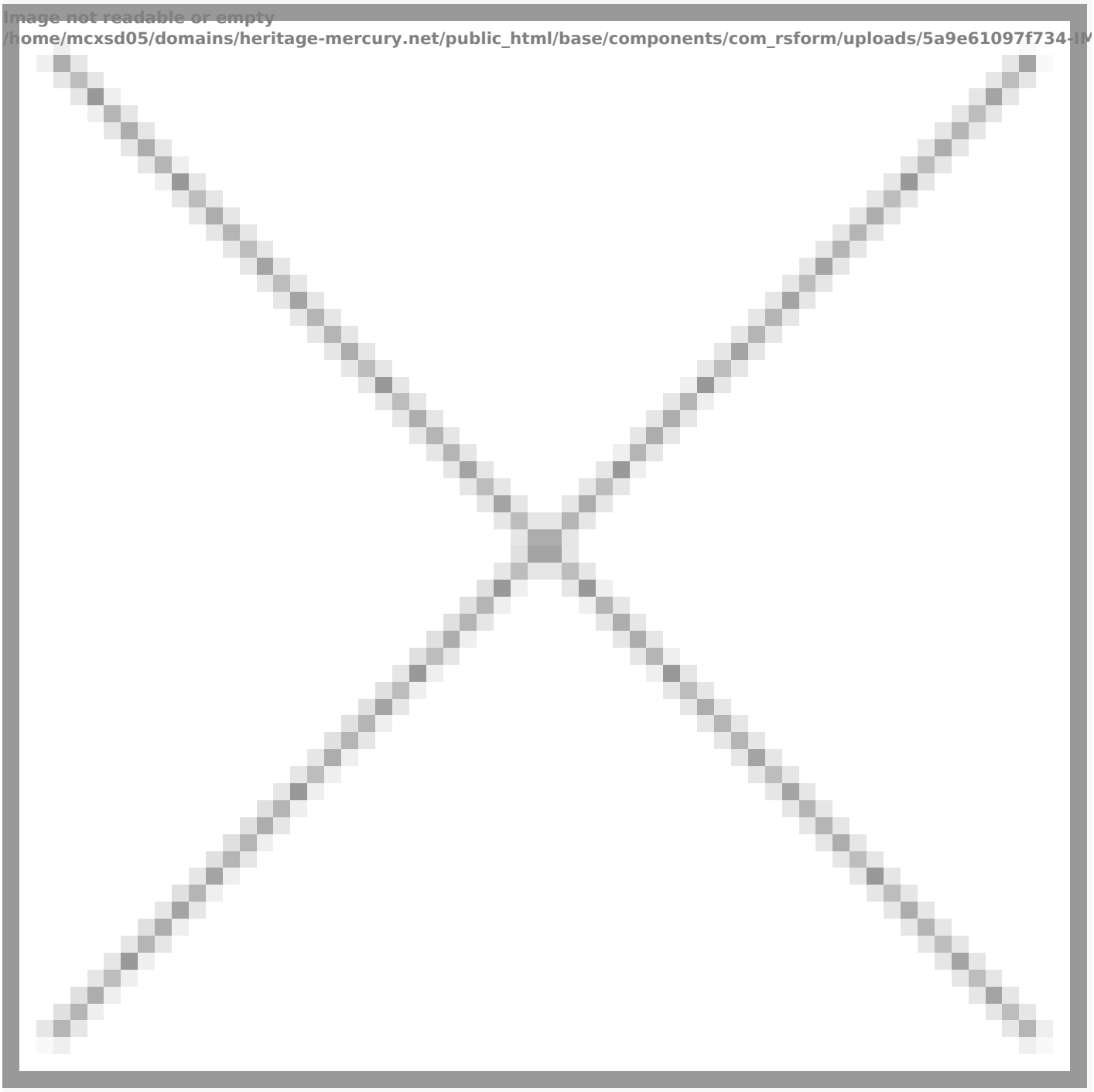
Name 1	OHMMETER
Name 2	/
ID number	002.182.Idrija
Manager / Administrator	Idrija Mercury Heritage Management Centre, Bazoviška 2, SI-5280 Idrija
Ownership	Public
Owner	Republic of Slovenia
Local / Original ID Number	/
Type of Object	Mine

DESCRIPTION

Short description	The ohmmeter consists of round metal housing, in which electro-mechanism is mounted. A leather belt for wearing the ohmmeter is on the side of the housing. The cover is equipped with two clamps (positive and negative) and a measuring scale for voltage reading.
Measures	Diameter 8 cm, height 10.5 cm.
Materials	Steel, artificial mass, copper, leather, glass
Dating	1960s

Author / Producer	Manufacturer information is not known.

Picture attachments



Original use	The ohmmeter is a controlling instrument, which measures electrical resistance on the basis of the current measurements through the component at constant voltage. By measuring the electrical resistance, the irregularities in the connection of the electrical current circuit are determined, for example open circuit or short circuit. It is also used for the finding and determination of concealers. The described item is an ordinary instrument for measuring electrical resistance, which is adapted for the use in excavations, especially for methane pits. It has a small battery pack, which is connected to the electric current circuit with clamps on the ohmmeter. During excavations in the pit, the lighters with explosives, inserted in the wells in core of the mining field, are connected with the mining wire. Before the mining starts, the ohmmeter is used to check if all the lighters are correctly connected. When the current flows through the wires and the lighters, and then returns to the instrument, the indicator shows actual resistance of the connection, which is also calculated beforehand. If all the lighters are properly connected, the resistance on the ohmmeter is the same as the one we calculated and in that case we can start mining with the detonator.
Present use	The ohmmeter is being preserved, secured and presented as an important mining heritage of Idrija with exceptional universal values. It is a part of the CUDHg mine collection. Visitors can view it within the permanent museum display Anthony's Main Road, namely within the useful warehouse of explosives on the 17th level of the Kropáč mining field. It is a part of the presentation that represents the entire story of mining in the Idrija Mercury Mine and with the related work process.
Original location	Working at the mining field of Idrija Mercury Mine.
Present location	Anthony's Main Road (level I/17 of the Kropáč mining field,

useful storage of explosives), Kosovelova 3, SI-5280 Idrija.

STATE OF CONSERVATION

History of conservation:	The ohmmeter is well preserved. It was cleaned for the purpose of the permanent museum display. Additional interventions are not necessary. Security of the premises is taken care of.
Present state	good
Necessary activities:	Regular seasonal maintenance.

DOCUMENTATION

Addresses / collections / links etc. where further in-depth information is accessible:	- CUDHg Inventory Book.
Submitted	Mestni muzej Idrija
Submitted by	Miha Kosmač
Date Submitted	6. 3. 2018
Date Edited	Never