

Name 1	THERMOMETER FOR MEASURING LIQUIDS TEMPERATURE 2
Name 2	/
ID number	002.386.Idrija
Manager / Administrator	Idrija Mercury Heritage Management Center, Bazoviška 2, SI-5280 Idrija
Ownership	Public
Owner	Republic of Slovenia
Local / Original ID Number	/
Type of Object	Daily life

DESCRIPTION

Short description	The thermometer is a one-piece round oblong pipe. The bottom part is narrowed and semicircularly fused and filled with mercury. The upper part is a semi-circularly fused. Through the entire length of the thermometer, the temperature scale is from 0 to 150°C. On the back, next to the manufacturer's name, there is also a product specification.
Measures	Length 27 cm, diameter 0.5 cm.
Materials	Glass, mercury, metal
Dating	1960s

Author / Producer

TLOS Zagreb.

Picture attachments

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/home/mcxsd05/domains/heritage-mercury.net/public_html/base/components/com_rsform/uploads/5ab8f18e777be-te



Original use The described thermometer was used as a measuring device for measuring temperature of liquids in the laboratory of the Idrija Mercury Mine. Its operation was based on the temperature expansion and contraction of mercury. Mercury expands evenly in a very wide temperature area from -38°C to $+356^{\circ}\text{C}$. The volume of mercury increases with the increasing temperature. The expansion and contraction of the mercury volume is relatively larger in a pipe with thin cross section.

Present use Present use
The thermometer for measuring liquid temperature is being preserved, secured and presented as important mining heritage of Idrija with exceptional universal values. It is a part of the CUDHg Smelting Collection. Visitors can view it within the permanent museum display "From Ore to Mercury Drops" in the Hg Smelting Plant, which represents the characteristics and the versatile use of mercury in science, technology, medicine, culture and every day life. Within the exhibition, the object is placed in the thermal expansion segment and it presents the usefulness of mercury for practical and technical purposes.

Original location Laboratory of the Idrija Mercury Mine.

Present location Hg Smelting Plant (From Ore to Mercury Drops), Arkova 50, SI-5280 Idrija

STATE OF CONSERVATION

History of conservation: The thermometer for measuring liquid's temperature is well preserved. Additional interventions are not necessary. Security of the premise is taken care off.

Present state	good
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Necessary activities:	Regular seasonal maintenance.
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DOCUMENTATION

Addresses / collections / links etc. where further in-depth information is accessible:	- CUDHg Inventory Book.
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Submitted	Mestni muzej Idrija
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Submitted by	Miha Kosmač
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Date Submitted	16. 3. 2018
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Date Edited	Never
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