

**Uverenje o etaloniranju br. \_\_\_\_\_**  
*Calibration Certificate Nr. \_\_\_\_\_*

Predmet etaloniranja <i>Object of calibration</i>	
Proizvođač <i>Manufacturer</i>	
Tip <i>Type</i>	
Serijski brojevi <i>Serial Numbers</i>	
Podnosilac zahteva <i>Applicant</i>	
Korisnik merila <i>End User</i>	
Identifikacija metode <i>Method of Calibration</i>	
Datum etaloniranja <i>Date of calibration</i>	
Rezultati etaloniranja <i>Results of calibration</i>	
Mesto etaloniranja <i>Place of calibration</i>	Laboratorija za magnetska merenja i etaloniranje IRC SENIS DOO (Niš, Srbija) <i>Laboratory for magnetic field measurements and calibration IRC SENIS DOO (Niš, Serbia)</i>

Datum izdavanja:  
*Date of issue:*

Etaloniranje izvršio:  
*Calibrated by:*

Rukovodilac Laboratorije:  
*Head of Calibration Laboratory:*  
Žarko Mitrović

Dozvoljeno je umnožavanje Uverenja o etaloniranju u celosti. Umnožavanje delova Uverenja j dozvoljeno samo uz pisano odobrenje Laboratorije za magnetska merenja i etaloniranje IRC SENIS DOO. Uverenje o etaloniranju nije važeće bez potpisa.

*Reproduction of the complete calibration certificate is allowed. Parts of the calibration certificate may only be reproduced with a written permission of Calibration Laboratory of IRC SENIS DOO. Calibration certificates without signature are not valid.*

▪ **Opis predmeta etaloniranja / Object of calibration :**

▪ **Sledivost / Traceability :**

Reference:

- 1) 3-kanalni digitalni merač magnetne indukcije (Tip: 3MH6; Proizvođač: SENIS AG; Ser. broj: TEMH-60000320) sa pripadajućom Holovom sondom (Tip: I3C-03C02L; Proizvođač: SENIS AG; Ser. broj: 003A-20); Uverenje o etaloniranju br. 019-2023, izdato od strane Laboratorije za magnetska merenja i etaloniranje IRC SENIS DOO, Niš; datum izdavanja: 07. April 2023. god.
- 2) 3-kanalni digitalni merač magnetne indukcije (Tip: 3MH6; Proizvođač: SENIS AG; Ser. broj: TEMH-60001221) sa pripadajućom Holovom sondom (tip: I3C-03C05L; proizvođač: SENIS AG; Ser. broj: HPIC-30001221); Uverenje o etaloniranju br. 020-2023, izdato od strane Laboratorije za magnetska merenja i etaloniranje IRC SENIS DOO, Niš; datum izdavanja: 07. April 2023. god.

Korišćene reference su sledive do nacionalnog standarda Srbije preko referentnog standarda AGILENT 53131A (Ser. broj MY47005297; Uverenje o etaloniranju br. 2-116/23, izdato od strane Laboratorije Tehničkog Opitnog Centra - Sektor metrologija, Beograd; datum izdavanja 20. mart 2023. god.).

*The used references:*

- 1) 3-channel digital teslameter (Type: 3MH6; Manufacturer: SENIS AG; Ser. Nr. TEMH-60000320) with 3-axis Hall probe (Type: I3C-03C02L; Manufacturer: SENIS AG; Ser. Nr. 003A-20), Certificate of calibration nr. 019-2023, issued by Laboratory for magnetic field measurements and calibration IRC SENIS DOO, Niš; date of issue: April 07, 2023.
- 2) 3-channel digital teslameter (Type: 3MH6; Manufacturer: SENIS AG; Ser. Nr. TEMH-60001221) with 3-axis Hall probe (Type: I3C-03C05L; Manufacturer: SENIS AG; Ser. Nr. HPIC-30001221), Certificate of calibration nr. 020-2023, issued by Laboratory for magnetic field measurements and calibration IRC SENIS DOO, Niš; date of issue: April 07, 2023.

*The used references are traceable to the national standards of Serbia via reference standard AGILENT 53131A (Ser. Nr. MY47005297, Certificate of calibration nr. 2-116/23, issued by Laboratory of Technical Test Center - Metrology sector, Belgrade; date of issue: March 20, 2023).*

▪ **Uslovi okoline / Environment conditions :**

Tokom etaloniranja u Laboratoriji je zabeležena sledeća temperatura:  $(23 \pm 1) ^\circ\text{C}$ .

*The room temperature during the measurements was  $(23 \pm 1) ^\circ\text{C}$ .*

▪ **Rezultati etaloniranja / Results of measurement :**

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▪ **Merna nesigurnost / Measurement Uncertainty :**

Proširena merna nesigurnost merenja prikazana u ovom Uverenju data je kao standardna merna nesigurnost pomnožena faktorom obuhvata  $k=2$ , koji za normalnu raspodelu odgovara nivou poverenja od 95 % za sve referentne vrednosti ukupne gustine magnetnog fluksa i izmerene vrednosti.

Standardna merna nesigurnost izabrana je u skladu sa *ISO/IEC GUIDE 98-3:2008 Uncertainty of Measurement - Part 3: Guide to the expression of uncertainty of measurement (GUM:1995)* i *EA-4/02 M:2022 Evaluation of the Uncertainty of Measurement in Calibration*.

*The expanded measurement uncertainty of measurements given in this Certificate is the standard measurement uncertainty multiplied by the coverage factor  $k=2$ , where a normal distribution is applied, which corresponds to a confidence level of at least 95 % for all reference values of the total magnetic flux density and measured values.*

*The standard measurement uncertainty was determined according to the ISO/IEC GUIDE 98-3:2008 Uncertainty of Measurement - Part 3: Guide to the expression of uncertainty of measurement (GUM:1995) and EA-4/02 M:2022 Evaluation of the Uncertainty of Measurement in Calibration.*

▪ **Komentari / Comments :**

Laboratorija ne izdaje izjavu o usaglašenosti po tački 7.1.3 standarda SRPS ISO/IEC 17025:2017.

*Laboratory does not issue conformity certificate according to ISO/IEC 17025:2017.*

Dobijeni rezultati su odraz stanja predmeta u času etaloniranja i isključivo se odnose na predmet etaloniranja sa navedenim serijskim brojem na prvoj strani ovog uverenja.

*Measured results are reflection of the case at the time of calibration and are exclusively related to the object of calibration with the specified serial number on the first page of this certificate.*

KRAJ UVERENJA O ETALONIRANJU

*End of Calibration Certificate*