



EA MLA Signatory
Český institut pro akreditaci, o.p.s.
(Czech Accreditation Institute)
Hájkova 2747/22, Žižkov, 130 00 Praha 3

issues

according to section 16 of Act No. 22/1997 Coll., on technical requirements for products and on changes and amendments to some Acts, as amended

CERTIFICATE OF ACCREDITATION

No. **567/2025**

ECOSOND s.r.o.
with registered office Křížová 1018/6, Smíchov, 150 00 Praha 5
Company Registration No. 45807698

for the Calibration Laboratory No. **2258**
Thermocouple and Oxygen Probe Calibration Laboratory

Scope of accreditation:

Calibration in the field of temperature, electrical quantities, and physical and chemical quantities to the extent as specified in the appendix to this Certificate.

This Certificate of Accreditation is a proof of accreditation issued on the basis of assessment of fulfillment of the accreditation criteria in accordance with

ČSN EN ISO/IEC 17025:2018

In its activities performed within the scope and for the period of validity of this Certificate, the abovementioned Accredited Body is entitled to refer to this Certificate, provided that the accreditation is not suspended and the Accredited Body meets the specified accreditation requirements in accordance with the relevant regulations applicable to the activity of an accredited conformity assessment body.

This Certificate of Accreditation replaces, to the full extent, Certificate No.: 679/2020 of 10/11/2020, and/or any administrative acts building upon it.

The Certificate of Accreditation is valid until: **10/11/2030**

Prague: 10/11/2025



Signed in the Czech original:
Jan Velíšek on 10/11/2025

Jan Velíšek
Director of the Department
of Testing and Calibration Laboratories
Czech Accreditation Institute

This translation of the Czech original has been issued by: Eliška Frycová

Accredited entity according to ČSN EN ISO/IEC 17025:2018:

ECOSOND s.r.o.

CAB number 2258, Thermocouple and Oxygen Probe Calibration Laboratory
K Vodárně 531, 257 22 Čerčany

CMC for the field of measured quantity: Temperature

Ord. number ¹	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty ²	Calibration principle	Calibration procedure identification ³	Location
		min	unit	max	unit					
1	Platinum alloy thermocouples	50 °C	to	500 °C		1.8 °C	Comparison with a reference thermocouple in a calibrating oven	10-01		
	Thermocouples made of base metals	500 °C	to	1.100 °C		1.9 °C				
		1.100 °C	to	1.300 °C		2.4 °C				
		50 °C	to	1.100 °C		2.0 °C				
		1.100 °C	to	1.300 °C		2.4 °C				
2*	Thermal chamber control systems in the function of a measuring instrument	50 °C	to	1300 °C		2.8 °C	Comparison with a reference thermometer	10-04		
3*	Thermocouple control units	0 °C	to	350 °C	Platinum alloy thermocouples	0.6 °C	Voltage calibrator simulation	10-03		
		350 °C	to	1.700 °C		0.5 °C				
		0 °C	to	1.300 °C	Thermocouples made of base metals	0.01 % + 0.3 °C				

¹ Asterisk at the ordinal number identifies the calibrations, which the Laboratory is qualified to carry out outside the permanent laboratory premises.

² The expanded measurement uncertainty is in accordance with ILAC-P14 and EA-4/02 M a part of CMC and it is the lowest value of the respective uncertainty. If not stated otherwise, its coverage probability is approx. 95 %. If not stated otherwise, the uncertainty values stated without a unit are relative to the measured value. The uncertainty value stated herein is based on the best conditions achievable by the laboratory; the uncertainty value of a specific calibration may be higher depending on the conditions of such a calibration. For identical extreme values of adjacent ranges, the lower uncertainty value always applies.

³ If the document identifying the calibration procedure is dated only these specific procedures are used. If the document identifying the calibration procedure is not dated, the latest edition of the specified procedure is used (including any changes).

Accredited entity according to ČSN EN ISO/IEC 17025:2018:

ECOSOND s.r.o.

CAB number 2258, Thermocouple and Oxygen Probe Calibration Laboratory
 K Vodárně 531, 257 22 Čerčany

CMC for the field of measured quantity: Electrical quantities

Ord. number 1	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty ²	Calibration principle	Calibration procedure identification ³	Location
		min	unit	max	unit					
1*	Control units for oxygen probes	0 mV	to	100 mV		0.006 % +3 μV	Voltage calibrator simulation	10-03		
		100 mV	to	1 C		0.006 % +10 μV				
		1 C	to	10 C		0.009 % +100 μV				

¹ Asterisk at the ordinal number identifies the calibrations, which the Laboratory is qualified to carry out outside the permanent laboratory premises.

² The expanded measurement uncertainty is in accordance with ILAC-P14 and EA-4/02 M a part of CMC and it is the lowest value of the respective uncertainty. If not stated otherwise, its coverage probability is approx. 95 %. If not stated otherwise, the uncertainty values stated without a unit are relative to the measured value. The uncertainty value stated herein is based on the best conditions achievable by the laboratory; the uncertainty value of a specific calibration may be higher depending on the conditions of such a calibration. For identical extreme values of adjacent ranges, the lower uncertainty value always applies.

³ If the document identifying the calibration procedure is dated only these specific procedures are used. If the document identifying the calibration procedure is not dated, the latest edition of the specified procedure is used (including any changes).

Accredited entity according to ČSN EN ISO/IEC 17025:2018:

ECOSOND s.r.o.

CAB number 2258, Thermocouple and Oxygen Probe Calibration Laboratory
 K Vodárně 531, 257 22 Čerčany

CMC for the field of measured quantity: Physicochemical quantities

Ord. number 1	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty ²	Calibration principle	Calibration procedure identification ³	Location
		min	unit	max	unit					
1	Carbonation potential of a ZrO ₂ oxygen probe	0 % C		to	1.6 % C		0.019 % C	Comparison with a reference probe in a calibrating oven	10-02	

¹ Asterisk at the ordinal number identifies the calibrations, which the Laboratory is qualified to carry out outside the permanent laboratory premises.

² The expanded measurement uncertainty is in accordance with ILAC-P14 and EA-4/02 M a part of CMC and it is the lowest value of the respective uncertainty. If not stated otherwise, its coverage probability is approx. 95 %. If not stated otherwise, the uncertainty values stated without a unit are relative to the measured value. The uncertainty value stated herein is based on the best conditions achievable by the laboratory; the uncertainty value of a specific calibration may be higher depending on the conditions of such a calibration. For identical extreme values of adjacent ranges, the lower uncertainty value always applies.

³ If the document identifying the calibration procedure is dated only these specific procedures are used. If the document identifying the calibration procedure is not dated, the latest edition of the specified procedure is used (including any changes).

Explanatory notes:

% C - carbon content

"This document is an appendix to the certificate of accreditation. In case of any discrepancies between the English and Czech versions, the Czech version shall prevail, both for the certificate appendix and the certificate itself. "