



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. 327/2025

PTS Josef Solnař, s.r.o.
with registered office U Hrubků 170/18, Nová Ves, 709 00 Ostrava
Company Registration No. 26872951

for the Calibration Laboratory No. 2355
Calibration Laboratory

Scope of accreditation:

Calibration in the field of testing of material properties and defects 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.: 565/2022 of 29/11/2022, and/or any administrative acts building upon it.

The Certificate of Accreditation is valid until: **29/11/2027**

Prague: 30/06/2025



Signed in the Czech original:
Jan Velíšek on 30/06/2025

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:

PTS Josef Solnař, s.r.o.
CAB number 2355, Calibration Laboratory
U Hrubků 170/18, Nová Ves, 709 00 Ostrava

CMC for the field of measured quantity: Testing of properties and defects of materials

Ord. num- ber 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	Loca- tion
		min.	unit	max.	unit					
1*	Ultrasonic defectoscopes								A 04-55/31	
	Stability – measurement of amplitude	0 % SH	to	100 % SH			1.4 % SH	Signal generation by reference generator (ČSN EN 12668-1:2010)		
	Stability - measurement of position	0 % SW	to	100 % SW			1.1 % SW			
	Transmitter - Impulse voltage amplitude							Direct signal measurement with a reference oscilloscope (ČSN EN 12668-1:2010)		
	Transmitter – Pulse decay amplitude	1 V	to	400 V			3.2 %			
	Transmitter – Pulse rise time	1 V	to	400 V			3.2 %			
	Transmitter – Pulse duration	0 ns	to	500 ns			2.7 % + 2.4 ns			
	Receiver – f _{lm} , lower limit frequency	0 ns	to	500 ns			2.7 % + 2.4 ns			
	Receiver – f _{um} , upper limit frequency	0.1 MHz	to	25 MHz			3.3 %	Signal generation by a reference generator (ČSN EN 12668-1:2010)		
	Receiver – f ₀ , medium frequency	0.1 MHz	to	25 MHz			3.3 %			
	Receiver – Δf, bandwidth	0.1 MHz	to	25 MHz			3.5 %			
	Receiver – Equivalent input noise level	0.1 MHz	to	25 MHz			4.7 %	Direct signal measurement with a reference oscilloscope, Comparison with a reference attenuator (ČSN EN 12668-1:2010)		
		10 ⁻¹² V/√Hz	to	10 ⁻⁶ V/√Hz			2.7·10 ⁻⁹ V/√Hz			

**The Appendix is an integral part of
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U Hrubků 170/18, Nová Ves, 709 00 Ostrava

Ord. num- ber 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	Loca- tion
		min.	unit	max.	unit					
	Receiver – Attenuator accuracy	0 dB	to	70 dB			2.8 % + 0.2 dB	Comparison with a reference attenuator (ČSN EN 12668-1:2010)		
	Receiver – Vertical linearity	0 dB	to	70 dB			2.8 % + 0.2 dB			
	Time base linearity for digital instruments	0.5 μs	to	2,000 μs			1.1 % + 0.05 μs	Signal generation by reference generator (ČSN EN 12668-1:2010)		
2*	Ultrasonic thickness gauges								A 04-55/01	
	Low voltage warning									
		1 V	to	20 V			0.87 %	Direct measurement of voltage and current with a reference multimeter (ČSN EN 15317)		
	Voltage operating range	1 V	to	20 V			0.87 %			
	Current operating range	20 mA	to	2,000 mA			0.43 %			
	Transmitter – Pulse repeating period							Direct signal measurement with a reference oscilloscope (ČSN EN 15317)		
		0.1 ms	to	10 ms			0.50 %			
	Transmitter – Impulse voltage amplitude	1 V	to	400 V			3.2 %			
	Transmitter – Pulse decay amplitude	1 V	to	400 V			3.2 %			
	Transmitter – Pulse rise time	0 ns	to	500 ns			2.7 % + 2.4 ns			
	Transmitter – Pulse duration	0 ns	to	500 ns			2.7 % + 2.4 ns			
	Min. and max. measurable thickness	1 mm	to	100 mm			0.04 mm	Comparison with a length standard (ČSN EN 15317)		
	Thickness resolution			0.1 mm		th. (9.4 to 9.8) mm	0.04 mm			

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Ord. num- ber 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	Loca- tion
		min.	unit	max.	unit					
3*	Tangential magnetic field / Hand magnets	1.5 kA/m		to	15 kA/m	50 Hz	7.7 %	Measurement by a teslameter (ČSN EN ISO 9934-3)	A 04-53/41a	
4*	AC current / Current generators	0 A		to	300 A	50 Hz	3.0 % + 2.9 A	Comparison with clamp-on current transducer (ČSN EN ISO 9934-3)	A 04-53/51a	
		300 A		to	3,000 A		3.0 % + 29 A			
5*	Stationary magnetization equipment								A 04-53/61a	
	Tangential magnetic field	2 kA/m		to	6 kA/m	50 Hz	7.7 %	Measurement by a teslameter (ČSN EN ISO 9934-3)		
	AC current	0 A		to	300 A	50 Hz	3.0 % + 2.9 A	Comparison with clamp-on current transducer (ČSN EN ISO 9934-3)		
		300 A		to	3,000 A		3.0 % + 29 A			
6*	Meters of magnetic field intensity (teslameters, gaussmeters, magnetometers)							Comparison with coil magnetic induction standard (ČSN EN ISO 9934-3)	A 04-53/32	
	DC tangential magnetic field	0.5 kA/m		to	1.5 kA/m		2.0 %			
	AC tangential magnetic field	0.5 kA/m		to	1.5 kA/m	50 Hz	3.0 %			
	DC tangential magnetic field	1.5 kA/m		to	30 kA/m		0.8 %			
	AC tangential magnetic field	1.5 kA/m		to	30 kA/m	50 Hz	1.2 %			

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Ord. num- ber 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	Loca- tion
		min.	unit	max.	unit					
7*	Eddy current defectoscopes								A 04-51/29	
	Generator frequency									
	Receiver – f_{lm} , lower limit frequency	0.1 kHz		to	1,000 kHz		0.011 %	Direct signal measurement with a reference counter (ČSN EN 15548-1:2010)		
								Signal generation by a reference generator (ČSN EN ISO 15548-1)		
	Receiver – f_{um} , upper limit frequency	1 kHz		to	100 kHz		2.4 %			
	Receiver – f_0 , medium frequency	1 kHz		to	100 kHz		2.4 %			
	Receiver – Δf , bandwidth	1 kHz		to	100 kHz		2.5 %			
	Receiver - attenuator accuracy	1 kHz		to	100 kHz		5.7 %			
								Comparison with a reference attenuator (ČSN EN ISO 15548-1)		
		0 dB		to	30 dB	1 kHz to 100 kHz	0.43 dB			
8*	Digital ultrasonic defectoscopes								A 04-55/21	
	Transmitter – Impulse voltage amplitude							Direct signal measurement with a reference oscilloscope (ČSN EN ISO 22232-1)		
		1 V		to	400 V		3.2 %			
	Transmitter – Pulse rise time	0 ns		to	500 ns		2.7 % + 2.4 ns			
	Transmitter – Pulse duration	0 ns		to	500 ns		2.7 % + 2.4 ns			
	Receiver – f_{lm} , lower limit frequency							Signal generation by a reference generator (ČSN EN ISO 22232-1)		
		0.1 MHz		to	25 MHz		3.3 %			
	Receiver – f_{um} , upper limit frequency	0.1 MHz		to	25 MHz		3.3 %			
	Receiver – f_0 , medium frequency	0.1 MHz		to	25 MHz		3.5 %			
	Receiver – Δf , bandwidth	0.1 MHz		to	25 MHz		4.7 %			

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Ord. num- ber 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	Loca- tion
		min.	unit	max.	unit					
	Receiver – noise level	10-12 V/√Hz to 10-6 V/√Hz					2.7·10-9 V/√Hz	Direct signal measurement with a reference oscilloscope, Comparison with a reference attenuator (ČSN EN ISO 22232-1)		
	Receiver – gain linearity	0 dB to 70 dB					2.8 % + 0.2 dB	Comparison with a reference attenuator (ČSN EN ISO 22232-1)		
	Receiver – display vertical linearity	0 dB to 70 dB					2.8 % + 0.2 dB			
	Time base deviation	0.5 μs to 2,000 μs					1.1 % + 0.05 μs	Signal generation by a reference generator (ČSN EN ISO 22232-1)		

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:

SW Screen Width
SH Screen Height

"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."