Annex to declaration of accreditation (scope of accreditation)
Normative document: EN ISO/IEC 17025:2017
Registration number: **K 105**

of **Euro-Index B.V.**
Kalibratielaboratorium

This annex is valid from: **22-04-2026** to **01-08-2029** Replaces annex dated: **22-05-2025**

Location(s) where activities are performed under accreditation

Head Office

Rivium 2e Straat 12
2909 LG
Capelle a/d IJssel
The Netherlands

Location	Abbreviation/ location code
Rivium 2e Straat 12 2909 LG Capelle a/d IJssel The Netherlands	CIJ

HCS code	Measured quantity, Range	Frequency	Expanded measurement uncertainty	Remarks	Location
LF	DC/LF Quantities				
LF.01	Direct Voltage				
LF.01.01	Direct Voltage			Generating	CIJ
	0 mV – 330 mV		$2{,}8 \cdot 10^{-5} \cdot U + 1{,}4$ µV		
	0,33 V – 3,3 V		$1{,}6 \cdot 10^{-5} \cdot U + 2{,}8$ µV		
	3,3 V – 33 V		$1{,}7 \cdot 10^{-5} \cdot U + 28$ µV		
	33 V – 330 V		$2{,}6 \cdot 10^{-5} \cdot U + 0{,}21$ mV		
	330 V – 1000 V		$2{,}6 \cdot 10^{-5} \cdot U + 2{,}1$ mV		
LF.02	Direct current				

This annex has been approved by the Board of the Dutch Accreditation Council, on its behalf,

J.A.W.M. de Haas

Annex to declaration of accreditation (scope of accreditation)
Normative document: EN ISO/IEC 17025:2017
Registration number: **K 105**

of **Euro-Index B.V.**
Kalibratielaboratorium

This annex is valid from: **22-04-2026** to **01-08-2029** Replaces annex dated: **22-05-2025**

HCS code	Measured quantity, Range	Frequency	Expanded measurement uncertainty	Remarks	Location
LF.02.01	Direct current			Generating	CIJ
	0 mA – 0,33 mA		$2{,}1\cdot10^{-4}\cdot I$ + 0,03 µA		
	0,33 mA – 3,3 mA		$1{,}4\cdot10^{-4}\cdot I$ + 0,07 µA		
	3,3 mA – 33 mA		$1{,}4\cdot10^{-4}\cdot I$ + 0,4 µA		
	33 mA – 330 mA		$1{,}4\cdot10^{-4}\cdot I$ + 3,5 µA		
	330 mA – 1,1 A		$2{,}8\cdot10^{-4}\cdot I$ + 56 µA		
	1,1 A – 3 A		$5{,}3\cdot10^{-4}\cdot I$ + 56 µA		
	3 A – 11 A		$7{,}0\cdot10^{-4}\cdot I$ + 0,7 mA		
	11 A – 20 A		$1{,}4\cdot10^{-3}\cdot I$ + 2,1 mA		
LF.03	Alternating voltage				
LF.03.01	Alternating voltage			Generating	CIJ
	10 mV – 33 mV	45 Hz – 10 kHz	$2{,}1\cdot10^{-4}\cdot U$ + 8,4 µV		
		10 kHz – 20 kHz	$2{,}8\cdot10^{-4}\cdot U$ + 8,4 µV		
		20 kHz – 50 kHz	$1{,}4\cdot10^{-3}\cdot U$ + 9 µV		
		50 kHz – 100 kHz	$4{,}9\cdot10^{-3}\cdot U$ + 17 µV		
	33 mV – 330 mV	10 Hz – 45 Hz	$4{,}2\cdot10^{-4}\cdot U$ + 12 µV		
		45 Hz – 10 kHz	$2{,}1\cdot10^{-4}\cdot U$ + 12 µV		
		10 kHz – 20 kHz	$2{,}3\cdot10^{-4}\cdot U$ + 12 µV		
		20 kHz – 50 kHz	$4{,}9\cdot10^{-4}\cdot U$ + 12 µV		
		50 kHz – 100 kHz	$1{,}2\cdot10^{-3}\cdot U$ + 45 µV		
		100 kHz – 500 kHz	$2{,}8\cdot10^{-3}\cdot U$ + 98 µV		
	0,33 V – 3,3 V	10 Hz – 45 Hz	$4{,}2\cdot10^{-4}\cdot U$ + 70 µV		
		45 Hz – 10 kHz	$2{,}1\cdot10^{-4}\cdot U$ + 84 µV		
		10 kHz – 20 kHz	$2{,}7\cdot10^{-4}\cdot U$ + 84 µV		
		20 kHz – 50 kHz	$4{,}2\cdot10^{-4}\cdot U$ + 70 µV		
		50 kHz – 100 kHz	$9{,}8\cdot10^{-4}\cdot U$ + 0,18 mV		
		100 kHz – 500 kHz	$3{,}4\cdot10^{-3}\cdot U$ + 0,84 mV		

Annex to declaration of accreditation (scope of accreditation)
Normative document: EN ISO/IEC 17025:2017
Registration number: **K 105**

of **Euro-Index B.V.**
Kalibratielaboratorium

This annex is valid from: **22-04-2026** to **01-08-2029** Replaces annex dated: **22-05-2025**

HCS code	Measured quantity, Range	Frequency	Expanded measurement uncertainty	Remarks	Location
	3,3 V – 33 V	10 Hz – 45 Hz	$4{,}2 \cdot 10^{-4} \cdot U + 0{,}91$ mV		
		45 Hz – 10 kHz	$2{,}1 \cdot 10^{-4} \cdot U + 0{,}84$ mV		
		10 kHz – 20 kHz	$3{,}4 \cdot 10^{-4} \cdot U + 0{,}90$ mV		
		20 kHz – 50 kHz	$4{,}9 \cdot 10^{-4} \cdot U + 0{,}84$ mV		
		50 kHz – 100 kHz	$1{,}3 \cdot 10^{-3} \cdot U + 2{,}3$ mV		
	33 V – 330 V	45 Hz – 1 kHz	$2{,}7 \cdot 10^{-4} \cdot U + 2{,}8$ mV		
		1 kHz – 10 kHz	$2{,}8 \cdot 10^{-4} \cdot U + 9$ mV		
		10 kHz – 20 kHz	$3{,}5 \cdot 10^{-4} \cdot U + 8{,}4$ mV		
		20 kHz – 50 kHz	$4{,}2 \cdot 10^{-4} \cdot U + 8{,}4$ mV		
		50 kHz – 100 kHz	$2{,}8 \cdot 10^{-3} \cdot U + 70$ mV		
	330 V – 1000 V	45 Hz – 1 kHz	$4{,}2 \cdot 10^{-4} \cdot U + 14$ mV		
		1 kHz – 5 kHz	$3{,}5 \cdot 10^{-4} \cdot U + 14$ mV		
		5 kHz – 10 kHz	$4{,}2 \cdot 10^{-4} \cdot U + 14$ mV		
LF.04	Alternating current				
LF.04.01	Alternating current			Generating	CIJ
	0,1 mA – 0,33 mA	10 Hz – 20 Hz	$2{,}8 \cdot 10^{-3} \cdot I + 0{,}14$ µA		
		20 Hz – 45 Hz	$2{,}1 \cdot 10^{-3} \cdot I + 0{,}14$ µA		
		45 Hz – 1 kHz	$1{,}8 \cdot 10^{-3} \cdot I + 0{,}14$ µA		
		1 kHz – 5 kHz	$4{,}2 \cdot 10^{-3} \cdot I + 0{,}21$ µA		
		5 kHz – 10 kHz	$1{,}2 \cdot 10^{-2} \cdot I + 0{,}28$ µA		
	0,33 mA – 3,3 mA	10 Hz – 20 Hz	$2{,}8 \cdot 10^{-3} \cdot I + 0{,}21$ µA		
		20 Hz – 45 Hz	$1{,}8 \cdot 10^{-3} \cdot I + 0{,}21$ µA		
		45 Hz – 1 kHz	$1{,}4 \cdot 10^{-3} \cdot I + 0{,}21$ µA		
		1 kHz – 5 kHz	$2{,}8 \cdot 10^{-3} \cdot I + 0{,}28$ µA		
		5 kHz – 10 kHz	$7{,}0 \cdot 10^{-3} \cdot I + 0{,}42$ µA		
	3,3 mA – 33 mA	10 Hz – 20 Hz	$2{,}6 \cdot 10^{-3} \cdot I + 2{,}8$ µA		
		20 Hz – 45 Hz	$1{,}3 \cdot 10^{-3} \cdot I + 2{,}8$ µA		

HCS code	Measured quantity, Range	Frequency	Expanded measurement uncertainty	Remarks	Location
		45 Hz – 1 kHz	$5{,}6\cdot10^{-4}\cdot I$ + 2,8 µA		
		1 kHz – 5 kHz	$1{,}2\cdot10^{-3}\cdot I$ + 2,8 µA		
		5 kHz – 10 kHz	$2{,}8\cdot10^{-3}\cdot I$ + 4,2 µA		
	33 mA – 330 mA	10 Hz – 20 Hz	$2{,}6\cdot10^{-3}\cdot I$ + 28 µA		
		20 Hz – 45 Hz	$1{,}3\cdot10^{-3}\cdot I$ + 28 µA		
		45 Hz – 1 kHz	$5{,}6\cdot10^{-4}\cdot I$ + 28 µA		
		1 kHz – 5 kHz	$1{,}4\cdot10^{-3}\cdot I$ + 70 µA		
		5 kHz – 10 kHz	$2{,}8\cdot10^{-3}\cdot I$ + 0,14 mA		
	330 mA – 3 A	10 Hz – 45 Hz	$2{,}6\cdot10^{-3}\cdot I$ + 0,14 mA		
		45 Hz – 1 kHz	$8{,}4\cdot10^{-4}\cdot I$ + 0,14 mA		
		1 kHz – 5 kHz	$8{,}4\cdot10^{-3}\cdot I$ + 1,4 mA		
		5 kHz – 10 kHz	$3{,}5\cdot10^{-2}\cdot I$ + 7,0 mA		
	3 A – 11 A	45 Hz – 100 Hz	$8{,}4\cdot10^{-4}\cdot I$ + 2,8 mA		
		100 Hz – 1 kHz	$1{,}4\cdot10^{-3}\cdot I$ + 2,8 mA		
		1 kHz – 5 kHz	$4{,}2\cdot10^{-2}\cdot I$ + 2,8 mA		
	11 A – 20 A	45 Hz – 100 Hz	$1{,}7\cdot10^{-3}\cdot I$ + 7,0 mA		
		100 Hz – 1 kHz	$2{,}1\cdot10^{-3}\cdot I$ + 7,0 mA		
		1 kHz – 5 kHz	$4{,}2\cdot10^{-2}\cdot I$ + 7,0 mA		
LF.06	Impedance (DC/LF)				
LF.06.02	DC Resistance			Generating (simulation)	CIJ
	0 Ω – 11 Ω		$1{,}7\cdot10^{-4}\cdot R$ + 14 mΩ		
	11 Ω – 110 Ω		$1{,}2\cdot10^{-4}\cdot R$ + 22 mΩ		
	110 Ω –1100 Ω		$3{,}9\cdot10^{-5}\cdot R$ + 35 mΩ		
	1,1 kΩ – 3,3 kΩ		$3{,}9\cdot10^{-5}\cdot R$ + 0,35 Ω		
	3,3 kΩ – 11 kΩ		$3{,}9\cdot10^{-5}\cdot R$ + 0,21 Ω		
	11 kΩ – 110 kΩ		$3{,}9\cdot10^{-5}\cdot R$ + 2,1 Ω		

HCS code	Measured quantity, Range	Frequency	Expanded measurement uncertainty	Remarks	Location
	110 kΩ – 1,1 MΩ		$4{,}5 \cdot 10^{-5} \cdot R$ + 21 Ω		
	1,1 MΩ – 3,3 MΩ		$8{,}4 \cdot 10^{-5} \cdot R$ + 0,24 kΩ		
	3,3 MΩ – 11 MΩ		$1{,}9 \cdot 10^{-4} \cdot R$ + 0,38 kΩ		
	11 MΩ – 33 MΩ		$3{,}5 \cdot 10^{-4} \cdot R$ + 3,8 kΩ		
	33 MΩ – 110 MΩ		$7{,}0 \cdot 10^{-4} \cdot R$ + 4,5 kΩ		
	110 MΩ – 330 MΩ		$4{,}2 \cdot 10^{-3} \cdot R$ + 0,14 MΩ		
	DC Resistance			Generating (physical resistors)	
	0,1 Ω – 100 Ω		$1{,}5 \cdot 10^{-3} \cdot R$ + 5 mΩ		
	100 Ω – 1 MΩ		$2{,}6 \cdot 10^{-4} \cdot R$		
	1 MΩ – 10 MΩ		$1{,}6 \cdot 10^{-3} \cdot R$		
	10 MΩ – 100 MΩ		$2{,}6 \cdot 10^{-3} \cdot R$		
	100 MΩ – 1000 MΩ		$1{,}6 \cdot 10^{-2} \cdot R$		
	1 GΩ – 10 GΩ		$2{,}1 \cdot 10^{-2} \cdot R$		
	10 GΩ – 100 GΩ		$3{,}1 \cdot 10^{-2} \cdot R$		
	100 GΩ – 1000 GΩ		$6{,}2 \cdot 10^{-2} \cdot R$		
LF.06.05	LF Capacitance			Generating (Meters using charge/discharge principle) f < 350 Hz	CIJ
	110 µF – 329,9 µF		$6{,}3 \cdot 10^{-3} \cdot C$ + 0,42 µF		
	330 µF – 1099,9 µF		$6{,}3 \cdot 10^{-3} \cdot C$		
	1,1 mF – 3,3 mF		$6{,}3 \cdot 10^{-3} \cdot C$		
TF	Time and frequency				

Annex to declaration of accreditation (scope of accreditation)
Normative document: EN ISO/IEC 17025:2017
Registration number: **K 105**

of **Euro-Index B.V.**
Kalibratielaboratorium

This annex is valid from: **22-04-2026** to **01-08-2029** Replaces annex dated: **22-05-2025**

HCS code	Measured quantity, Range	Frequency	Expanded measurement uncertainty	Remarks	Location
TF.02	Relative time				
TF.02.04	Frequency				CIJ
	0,1 Hz – 2 MHz		$3{,}5 \cdot 10^{-6} \cdot f$ + 7 µHz	Generating	

Remarks:
- Nominal temperature for calibrations is (23 ± 3) °C
- Calibration and Measurement Capability (CMC): Demonstrated lowest possible measurement uncertainty available to customers under normal conditions, with coverage probability of 95%, in a given measurement point or measurement range. Measurement uncertainty, *U*, is calculated according to EA-4/02 "Expression of the Uncertainty of Measurement in Calibration".