

Annex to declaration of accreditation (scope of accreditation)  
 Normative document: EN ISO/IEC 17025:2017  
 Registration number: **K 158**

of **Life Technologies Europe B.V.**  
**European Calibration Services (ECS)**

This annex is valid from: **27-01-2020** to **01-07-2023**

Replaces annex dated: **20-06-2019**

**Location(s) where activities are performed under accreditation**

**Head Office**

Kwartsweg 2  
 2665 NN  
 Bleiswijk  
 The Netherlands

Location	Abbreviation/ location code
Kwartsweg 2 2665 NN Bleiswijk The Netherlands	BL

HCS code	Measured quantity, Range	Frequency	CMC <sup>1</sup>	Remarks	Location
LF 0 0	DC/LF Quantities				
LF 1 1	DC Voltage			generating	BL
	3.300 V		0.001 V		
	33.00 V		0.01 V		
	330.0 V		0.1 V		
	1 kV		1 V		
	DC Millivolt			generating	BL
	33.0 mV		0.1 mV		
	330.0 mV		0.1 mV		

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

J.A.W.M. de Haas

<sup>1</sup> Calibration and Measurement Capability (CMC): Demonstrated measurement uncertainty, with coverage probability of 95%, in a given measurement point or measurement range. Measurement uncertainty,  $U$ , is calculated according to EA-4/02 "Evaluation of the Uncertainty of Measurement in Calibration".

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HCS code	Measured quantity, Range	Frequency	CMC <sup>1</sup>	Remarks	Location
LF 2 1	DC MilliAmp			generating	BL
	33.00 mA		0.01 mA		
	330.0 mA		0.1 mA		
	DC MicroAmp			generating	BL
	330.0 µA		0.1 µA		
	3300 µA		1 µA		
	DC Amp			generating	BL
	3.000 A		0.001 A		
	10.00 A		0.01 A		
LF 3 1	AC Voltage			generating	BL
	330.0 mV	60 Hz	0.1 mV		
	600.0 mV	13 kHz	0.1 mV		
	3.300 V	60 Hz	0.001 V		
	3.300 V	20 kHz	0.001 V		
	33.00 V	60 Hz	0.01 V		
	33.00 V	20 kHz	0.01 V		
	330.0 V	60 Hz	0.1 V		
	330.0 V	2.5 kHz	0.1 V		
	500 V	60 Hz	1 V		
	1 kV	1 kHz	1V		
LF 4 1	AC MilliAmp			generating	BL
	33.00 mA	60 Hz	0.01 mA		
	330.0 mA	60 Hz	0.1 mA		

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LF 4 1	AC MicroAmp			generating	BL
	330.0 µA	60 Hz	0.1 µA		
	3300 µA	60 Hz	1 µA		
LF 4 1	AC Amp			generating	BL
	3.000 A	60 Hz	0.001 A		
LF 6 1	Resistance			generating	BL
	330.0 Ω		0.1 Ω		
	3.300 kΩ		0.001 kΩ		
	33.00 kΩ		0.01kΩ		
	330.0 kΩ		0.1 kΩ		
	3.300 MΩ		0.001 MΩ		
	30.00 MΩ		0.01 MΩ		
TF 0 0	Time and Frequency			generating	BL
TF 2 1	Frequency				
	60.00 Hz		0.01 Hz	U <sub>nom</sub> = 110 V	
	50.00 Hz		0.01 Hz	U <sub>nom</sub> = 230 V	

HCS code	Measured quantity, Instrument, Measure	Range	CMC <sup>2</sup>	Remarks	Location
TE 0 0	Temperature				
TE 4 1	Thermometers	(4.00 – 96.00) °C	0.09 °C	In water bath with multi-well dry block inserts	BL

<sup>2</sup> Calibration and Measurement Capability (CMC): Demonstrated measurement uncertainty, with coverage probability of 95%, in a given measurement point or measurement range. Measurement uncertainty, *U*, is calculated according to EA-4/02 "Evaluation of the Uncertainty of Measurement in Calibration".

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HCS code	Measured quantity, Instrument, Measure	Range	CMC <sup>2</sup>	Remarks	Location
		(30.00 – 115.00) °C	0.10 °C	In silicon oil bath with multi-well dry block inserts	BL

Remarks:

Environmental conditions  $T = (23 \pm 3) \text{ }^\circ\text{C}$ ,  $RH = (50 \pm 25) \text{ } \%$  rh for Electrical  
 $T = (23 \pm 2) \text{ }^\circ\text{C}$ ,  $RH = (50 \pm 25) \text{ } \%$  rh for Thermometers (for water bath)  
 $T = (23 \pm 5) \text{ }^\circ\text{C}$ ,  $RH = (50 \pm 25) \text{ } \%$  rh for Thermometers (for silicon bath)

Calibrations are performed inside the laboratory, unless specified otherwise.