

Annex to declaration of accreditation (scope of accreditation)
 Normative document: EN ISO/IEC 17025:2005
 Registration number: **K 158**

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

This annex is valid from: **22-06-2016** to **01-07-2019**

Replaces annex dated: **24-06-2015**

Location(s) where activities are performed under accreditation

Head Office

Kwartsweg 2
 2665 NN
 Bleiswijk
 The Netherlands

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

HCS code	Measured quantity, Range	Frequency	CMC ¹	Remarks	Location
LF 0 0	DC/LF Quantities				
LF 3 1	AC Voltage			generating	BL
	330.0 mV	60 Hz	0.5 mV		
	600.0 mV	13 kHz	1.0 mV		
	3 300 V	60 Hz	0.004 V		
	3 300 V	20 kHz	0.058 V		
	33.00 V	60 Hz	0.03 V		
	33.00 V	20 kHz	0.05 V		
	330.0 V	60 Hz	0.3 V		

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

J.A.W.M. de Haas
 Director of Operations

¹ 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".

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

This annex is valid from: **22-06-2016** tot **01-07-2019**

Replaces annex dated: **24-06-2015**

HCS code	Measured quantity, Range	Frequency	CMC ¹	Remarks	Location
	330.0 V	2.5 kHz	0.4 V		
	500 V	60 Hz	2 V		
	1 000 V	1 kHz	2 V		
RF 1 0	Frequency Test			generating	BL
	99.95 kHz @ 0.7 V		0.02 kHz		
	99.95 kHz @ 7 V		0.02 kHz		
LF 1 1	DC Voltage			generating	BL
	3 300 V		0.002 V		
	33.00 V		0.02 V		
	330.0 V		0.2 V		
	1 000 V		2 V		
	DC Millivolt			generating	
	33.00 mV		0.02 mV		
	330.0 mV		0.2 mV		
LF 6 1	Resistance			generating	BL
	330.0 Ω		0.3 Ω		
	3 300 kΩ		0.002 kΩ		
	33.00 kΩ		0.02 kΩ		
	330.0 kΩ		0.2 kΩ		
	3 300 MΩ		0.003 MΩ		
	30.00 MΩ		0.06 MΩ		
LF 2 1	DC MilliAmp			generating	BL
	33.00 mA		0.03 mA		
	330.0 mA		0.4 mA		

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

This annex is valid from: **22-06-2016** tot **01-07-2019**

Replaces annex dated: **24-06-2015**

HCS code	Measured quantity, Range	Frequency	CMC ¹	Remarks	Location
LF 4 1	AC MilliAmp			generating	BL
	33.00 mA	60 Hz	0.04 mA		
	330.0 mA	60 Hz	0.9 mA		
LF 2 1	DC MicroAmp			generating	BL
	330.0 µA		0.3 µA		
	3 300 µA		3 µA		
LF 4 1	AC MicroAmp			generating	BL
	330.0 µA	60 Hz	0.6 µA		
	3 300 µA	60 Hz	7 µA		
LF 2 1	DC Amp			generating	BL
	3.00 A		0.02 A		
	10.00 A		0.02 A		
LF 4 1	AC Amp			generating	BL
	3.00 A	60 Hz	0.02 A		

HCS code	Measured quantity, Instrument, Measure	Range	CMC ¹	Remarks	Location
TE 0 0	TEMPERATURE CALIBRATIONS				
TE 4 1	Thermometers	(4.00 – 96.00) °C	0.09 °C	In liquid bath with multi-well dry block inserts	BL

Annex to declaration of accreditation (scope of accreditation)
Normative document: EN ISO/IEC 17025:2005
Registration number: **K 158**

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

This annex is valid from: **22-06-2016** tot **01-07-2019**

Replaces annex dated: **24-06-2015**

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

Calibrations are performed inside the laboratory, unless specified otherwise.