

EC DECLARATION OF CONFORMITY

Manufacturer's Name: Thermo Fisher Scientific Oy
Liquid Handling Consumables

Manufacturer's Address: Ratastie 2
FI-01620 Vantaa
FINLAND

declares that the product

Electronic Pipette

Product Name: Type 154: E1-ClipTip

bearing the following markings

Type 154
100-240 VAC, 150 mA, 50/60 Hz
CE mark
cTUVus

conform to the following requirements

2006/42/EC (Machinery Directive)
2006/95/EC (Low Voltage Directive)
2004/108/EC (Electromagnetic Compatibility Directive, EMC)
FCC Part 15, Subpart B/Class B (July 2004)
2012/19/EU (WEEE Directive)
2011/65/EU (RoHS Directive)

Conformity has been demonstrated by applying the performance specifications listed in appendix 1 (in full):

Vantaa 25.11.2013



Jari Mäkilaakso
Quality & Regulatory Manager

Appendix 1 to declaration of conformity for E1-ClipTip Type 154
Safety performance:

IEC 61010-1:2010 (Ed 3)
 taking into account US and CA National deviations

EMC performance:

IEC 61000-6-3:2006 (Ed 2) + A1:2010	Generic standards - Emission standard for residential, commercial and light industry environments
IEC 61000-6-1:2005 (Ed2)	Generic standards - Immunity standard for residential, commercial and light industry environments
IEC 61326-1:2005	Product family standard
IEC 61326-2-6:2005	Product family standard – Electrical equipment for measurement, control and laboratory use: In vitro diagnostics (IVD) medical equipment

Test standards and
Performance limits

EN 55011:2009 EN55016-2-3-:2006	Class B, 150 kHz-2 GHz
EN 61000-3-2:2006+A1,A2:2009 EN 61000-3-3:2008	NA
ANSI C63.4:2009	Class B, 150 kHz-30 MHz ; 30 MHz-2 GHz
EN 61000-4-2:1995+A1:1998+A2:2001	4 kV CD, 8 kV AD, Criteria B
EN 61000-4-3:2006	3V/m, 80 MHz-2.7 GHz, Criteria A
EN 61000-4-4:2004	1 kV, Criteria B
EN 61000-4-5:2006	2 kV line to ground, 1 kV line to line, Criteria B
EN 61000-4-6:2007	3 Vrms, 150 kHz-80 MHz, Criteria A
EN 61000-4-8:1993+A1:2001	3 A/m, Criteria A
EN 61000-4-11:2004	30%/25/30 cycles, Criteria C 60%/5/6 cycles, Criteria C 100%/250/300 cycles, Criteria C 100%/0.5/1 cycle, Criteria B

Risk management:

EN ISO 12100-1:2003+A1:2009, EN ISO12100-2:2003+A1:2009 with relation to ISO14971:2007

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