2 Tech Drive
Andover, MA 01810
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RoHS
(Restriction of Hazardous Substances)

Certificate of Compliance

MKS Instruments, Inc. hereby certifies that the products listed in the attached table are compliant with the European Union's RoHS Directive, (EU) 2015/863 amending Annex II to Directive 2011/65/EU of the European Parliament and of the Council regarding the restriction of the use of certain hazardous substances in electrical and electronic equipment. The products listed below are compliant to RoHS requirements for concentration limitations, by weight of homogeneous material, of the ten substances shown on the following page.

Product	RoHS Compliant Part Number
TRA6PPV6	TRA6PP V6
TRA12PP V6	TRA12PP V6
TRA25PP V6	TRA25PP V6

The thresholds shown below are not in place for any legally allowable exemptions per Annex III of the aforementioned directive. If such exemptions are in use, they are noted on the attached table. If no exemptions are in use, then no further information is provided.

All information provided in this Certificate of Compliance is accurate to MKS' knowledge as of the date of this certification. This confirmation is made based our internal engineering risk analysis of the individual items possibly being present along with the best technical information made available to MKS from its material suppliers.

January 1 2025

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Hervé Le Cointe
Quality Director Instrument and Motion France

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LIST OF SUBSTANCES BANNED BY ROHS DIRECTIVE EU 2015/863

(Item cannot exceed 0.1% of homogeneous material – except as noted)

- Lead (Pb)
- Mercury (Hg)
- Cadmium (Cd) – 0.01% limit
- Hexavalent chromium (Cr6+)
- Polybrominated biphenyls (PBB)
- Polybrominated diphenyl ether (PBDE)
- Diisobutyl phthalate (DIBP)
- Bis (2-ethylhexyl) phthalate (DEHP)
- Butyl benzyl phthalate (BBP)
- Dibutylphthalate (DBP)

MKS ROHS DIRECTIVE 2011/65/EU PRODUCT EXEMPTIONS

MKS Product Number	MKS Product Description	Annex III Exemption #	Annex III Exemption Description
TRA6PPV6	TRA6PPV6	6(a)	lead as an alloying element in steel < 0.35 % by wt
TRA6PPV6	TRA6PPV6	6(b)	lead as an alloying element in Aluminium <0.4 % by wt
TRA6PPV6	TRA6PPV6	6 (c)	lead as an alloying element in copper < 4 % by wt
TRA12PPV6	TRA12PPV6	6(a)	lead as an alloying element in steel < 0.35 % by wt
TRA12PPV6	TRA12PPV6	6(b)	lead as an alloying element in Aluminium <0.4 % by wt
TRA12PPV6	TRA12PPV6	6 (c)	lead as an alloying element in copper < 4 % by wt
TRA25PPV6	TRA25PPV6	6(a)	lead as an alloying element in steel < 0.35 % by wt
TRA25PPV6	TRA25PPV6	6(b)	lead as an alloying element in Aluminium <0.4 % by wt
TRA25PPV6	TRA25PPV6	6 (c)	lead as an alloying element in copper < 4 % by wt

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