

Certifications and Product Approvals

Declaration of Conformity

Massa Products Corporation declares that all items produced have been manufactured and tested under an approved quality system per ISO 9001:2015, and that records are kept on file to verify compliance. All products meet or exceed their published performance specifications.

Quality Management System

ISO 9001:2015 Certified

NQA Certificate Number 11087

Valid Through February 21, 2023

Statement of Origin

All products produced by Massa Products Corporation have been manufactured and tested in the United State of America.

Product Approvals



MassaSonic® SonAire® (Model M3 and M3is) Family of Wireless Ultrasonic Level Sensors

Radio Equipment Directive (RED) 2014/53/EU

EMC Directive 2014/30/EU, "Electrical Equipment for Measurement, Control and Laboratory Use"

EN 301 489-1 (2017), Ancillary Equipment

EN 301 489-17 (2017), Ancillary Equipment

EN 61326-1 (2013)

- Table 2 (Immunity)
- Sec. 7.0 (Emissions – Class A)

IEC 61010-1: 2010 (Third Edition), "Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use"

IP67 per IEC 60529 (2013)

MassaSonic PulStar® and FlatPack® Families of Ultrasonic Sensors

EMC Directive 2004/108/EC, "Electrical Equipment for Measurement, Control and Laboratory Use"

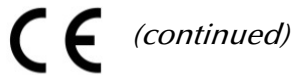
EN 61326-1 (2013)

- Table 1 (Immunity)
- Sec. 7.0 (Emission – Class A)
- CFR 47, FCC Part 15b (Class A)

IEC 61010-1: 2010 (Third Edition), "Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use"

IP68 per IEC 60529 (2013)

Product Approvals *(continued)*



MassaSonic® Model M-300, M-320, and M-5000 Families of Ultrasonic Sensors

EMC Compliance, for Radiated Emissions per:

- EN50081-1
- EN50081-2
- EN50082-1
- EN50082-2
- EN 55022



RoHS Compliance Statement

Massa Products Corporation certifies, based on information provided to us by our raw material and component suppliers, that the sensors and transducers listed below do not contain any known or intentionally added reportable substances banned as outlined in the EU Directive 2011/65/EU on the use of certain hazardous substances in electrical and electronic equipment as listed below. However, exemption allowed is of lead in PZT ceramics and cable are valid until July 21, 2024 for industrial monitoring and control instruments (Category 9). Batteries used in the wireless sensors are exempt.

- Cadmium (0.01%)
- Lead (0.1%)
- Mercury (0.1%)
- Hexavalent Chromium (0.1%)
- Polybrominated Biphenyls - PBB (0.1%)
- Polybrominated Diphenyl Ethers – PBDE (0.1%)
- Bis(2-ethylhexyl) Phthalate – DEHP (0.1%)
- Butyl Benzyl Phthalate – BBP (0.1%)
- Dibutyl Phthalate – DBP (0.1%)
- Diisobutyl Phthalate – DIBP (0.1%)

Industrial Sensors and Transducers:

- Massa SonAire® Family (M3/M3is) of Wireless Ultrasonic Level Sensors
- Massa PulStar® Family of Low-Cost Sensors
- Massa FlatPack® Family
- Massa mPulse® Family (M-5000) of Smart Ultrasonic Sensors
- Massa M-300 and M-320 Families of Low-Cost Sensors
- Massa Model E-188/220 High Frequency, Narrow Beam Ultrasonic Transducers
- Massa Model TR-89 Transducers

Product Approvals *(continued)*



(continued)

- Massa Model TR-1075 Transducers
- Massa Model TR-1055 Transducers
- Massa Model TR-1447 Transducers
- Massa Model TR-2439 Transducers
- Massa Model TR-2456 Transducers
- Massa Model TR-2461 Transducers
- Massa Model TR-2462 Transducers
- Massa Model TR-2465/150 Narrow Beam Ultrasonic Transducers
- Massa Model TR-2467 Transducers

Sensors and transducers listed above do not contain any of the substances listed in Annex II with the exception of lead, which is allowed by exemption 7(c)-I which states: “Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectric devices, or in a glass or ceramic matrix compound”.

Hazardous Location Approvals



MassaSonic SonAire (Model M3is) Family of Wireless Ultrasonic Level Sensors

Intrinsically Safe for Class I, II & III, Groups C, D, E, F & G, and Class I, Zone 0, Groups IIC Hazardous (Classified) Locations, IP67. Complies with:

FM Class 3600	1998
CSA C22.2 No. 142	1987
CSA C22.2 No. 213	1987
ANSI/IEC 60529	2004
FM Class 3610	2007
FM Class 3810	2005

Quality Assurance Manager

March 10, 2021

Date