

SPECIAL SEISMIC CERTIFICATION

CERTIFICATE OF COMPLIANCE

MANUFACTURER: MTE Corporation
PRODUCT TYPE: Motor Control Filters
MODEL LINE: **DV Sentry Output Filters**

This is to certify that MTE Corporation has qualified for Special Seismic Certification in accordance with:

2015 INTERNATIONAL BUILDING CODE

Certification has been conducted in compliance with ICC Evaluation Service Document AC156 “Acceptance Criteria for Seismic Certification by Shake-Table Testing of Nonstructural Components” via tri-axial shake table testing at a laboratory accredited by the ANSI-ASQ National Accreditation Board/ANAB to ISO 17025 and under the review of the seismic qualification engineer, SEESTudio, Inc.

The following model designations, options, and accessories are included in this certification. Reference report number 15048-1401 as issued by Dynamic Certification Laboratories for a complete list of certified models, included accessories/options, and certified installation methods

EQUIPMENT MANUFACTURER

Name: MTE Corporation
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TEST LABORATORY

Name: Dynamic Certification Laboratories
Address: 1315 Greg St. Suite 109 Sparks, NV 89431
Contact: Joseph L. La Brie, S.E.

CERTIFICATION ENGINEER

Name: SEESTudio, Inc.
Address: 1281 9th Ave. Suite 1101, San Diego, CA 92101
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CERTIFICATION PARAMETERS

1. The Special Seismic Certification program and this Certificate are based on successful completion of testing in accordance with ICC-ES A156 "Acceptance Criteria for Seismic Certification by Shake-Table Testing of Nonstructural Components, as permitted by ASCE7-10.
2. Pre-test functional compliance verification was performed by the test laboratory and confirmed that the equipment was operational prior to seismic simulation. After successful tri-axial shake table testing, post-test functional compliance verification was performed and confirmed that the equipment is capable of performing its intended functions after a seismic event.
3. Although a seismic qualified unit inherently contains some wind resisting capacity, that capacity is undetermined and is excluded from this certification. Snow/Ice loads have been neglected and thus limit the unit to be installed both indoors (covered by an independent protective structure) and out doors (exposed to accumulating snow/ice) for ground snow loads no greater than 30psf for all applications.
4. All components listed in this Certificate is assigned a component importance factor (Ip) equal to 1.5 for installations in essential facilities, for life safety applications, and/or of equipment containing hazardous contents
5. **This certification is only valid for seismic parameters and equipment and anchorage / installation requirements referenced in the following tables**, as considered by the manufacturer's specifications for seismic applications. Mounting details & drawings must be outlined and approved by the Engineer of Record (EOR) for the project and location and the Contractor shall insure that the specified requirements by the EOR are fulfilled. The equipment manufacturer or seismic qualification engineer listed in this certificate is not responsible for the design and performance of the anchorage system. Mounting requirement details such as anchor brand, type, embedment depth, edge spacing, anchor-to-anchor spacing, concrete strength, special inspection, wall design, and attachment to non-building structures must be outlined and approved by the Engineer of Record for the project or building. Structural walls, structural floors, and housekeeping pads must also be seismically designed and approved by the project or building Structural Engineer of Record to withstand the seismic anchor loads as defined on the installation drawings.
6. Mechanical, Electrical, and Plumbing connections to the equipment must be flexibly attached as to not transfer load through the connection. The structural integrity of any conduit, cable trays, piping, ductwork and/or flexible connections is the responsibility of others. This certification does not guarantee the equipment will remain compliant to UL or NEMA standards after a seismic event.
7. Refer to the Seismic Certification Label mounted to the equipment by the manufacturer for corresponding seismic certification parameters to this Certificate. For this certificate and certification to remain valid, this certificate must correspond to the "Seismic Certification Label" found affixed to the unit by the factory. The label ensures the manufacturer built the unit in conformance to the IBC seismic design criteria set forth by the certification engineer, SEESTudio, Inc., and meets the seismic design levels claimed by this certificate.
8. Certified custom components must only contain certified sub-components as listed on the following pages. This certificate applies to units manufactured at N83 W13330 Leon Road, Menomonee Falls, WI.
9. This certification is valid for installations below grade, grade, and roof-level installations for site classes A-D, Risk Categories I-IV, and Seismic Design Categories A-F, subject to the following tabulated certification criteria.

I declare that this certificate is in general conformance with all applicable codes or ordinances and all documentation supporting this certification meets the requirements of special seismic certification.

Dan Junker, SE
SEESTudio, Inc.

Issue Date: 05.09.18



SPECIAL SEISMIC CERTIFICATION

CERTIFIED COMPONENTS

TABLE 1

MANUFACTURER: MTE Corporation
MODEL LINE: DV Sentry Output Filters
TABLE DESCRIPTION: Certified filter Models

CONSTRUCTION SUMMARY:	CERTIFICATION PARAMETERS:
Construction of components & sub-components shall be specific to the reference model number below. NEMA 1, 2, or 3R rated.	Building Code: IBC 2015 Component Importance Factor: $I_p = 1.5$ $S_{DS} = 2.5g$ at $z/h = 1.0$
OPTIONS SUMMARY:	
This certification includes the product and factory supplied accessories and options. The product and included accessories and options must be a catalogue design and factory supplied. This certification excludes all non-factory supplied accessories, including but not limited to enclosures, isolation/restraint devices, remote control panels, mounting brackets, and other electrical/mechanical components. The model numbers listed below are certified by manufacturer to be specific to sub-components included at the time of physical testing of equipment.	
MOUNTING SUMMARY:	NOTES:
Rigid mounting from unit base to rigid structure. The product must be installed and attached to the building structure per the manufacturer supplied seismic installation instructions.	

Model	Amperage (Amp)	Dimensions (in)			Weight (lb)
		Length	Width	Height	
DVS_0003E	3	13.2 - 24.0	12.0 - 12.5	10.1 - 22.9	14.0 - 83.0
DVS_0004E	4				
DVS_0007E	7				
DVS_0009E	9				
DVS_0012E	12				
DVS_0017E	17				
DVS_0022E	22				
DVS_0027E	27				
DVS_0035E	35				
DVS_0045E	45				
DVS_0055E	55				
DVS_0065E	65				
DVS_0080E	80	24.0	12.5	22.9	83.0
DVS_0110E	110	24.0 - 51.3	12.5 - 27.7	22.9 - 30.0	83.0 - 338.0
DVS_0130E	130				
DVS_0160E	160				
DVS_0200E	200				
DVS_0250E	250				
DVS_0305E	305				
DVS_0365E	365				
DVS_0415E	415				
DVS_0515E	515	51.3	27.7	30.0	338.0
DVS_0600E	600				