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Nevada Nano MTEP Methane Track TMV1 Endpoint

Notices

- SM-UM-0011-C01
-
- 1395 Greg Street, Suite 102
- Sparks, Nevada 89431

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Introduction

This document contains the hazardous area user manual for the MethaneTrack™ Endpoints, model number MTEP

Regulatory Information

The following MethaneTrack™ Endpoint (MTEP) falls within the scopeof the product approvals shown below:

Nevada Nano Model: MTEP

MTE1 Warnings

Warning: Potential electrostatic discharge hazard. See instructions, NFPA 77 and IEC

TS60079-32-1 for guidance 

- **Warning:** Use only Nevada Nano Battery Module P/N 55-000001 .
- **Warning:** Substitution of components may impair Intrinsic Safety

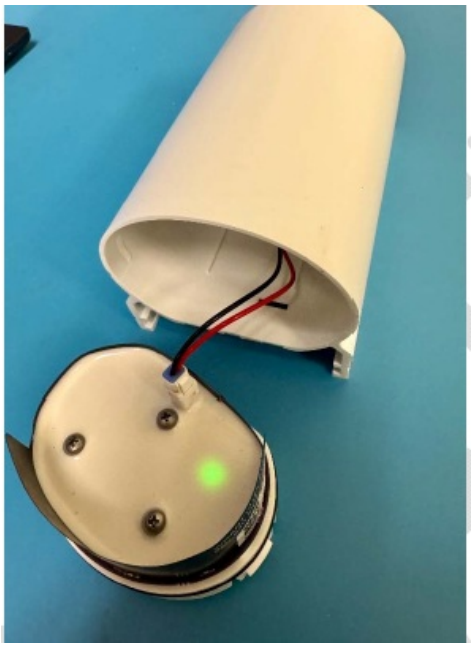
Additional certifications exist beyond those displayed in the product approval table shown below. Please consult NevadaNano for additional certifications.

Hazardous Location Use Guidelines

Connection of Radio & Sensor Module and Power Module

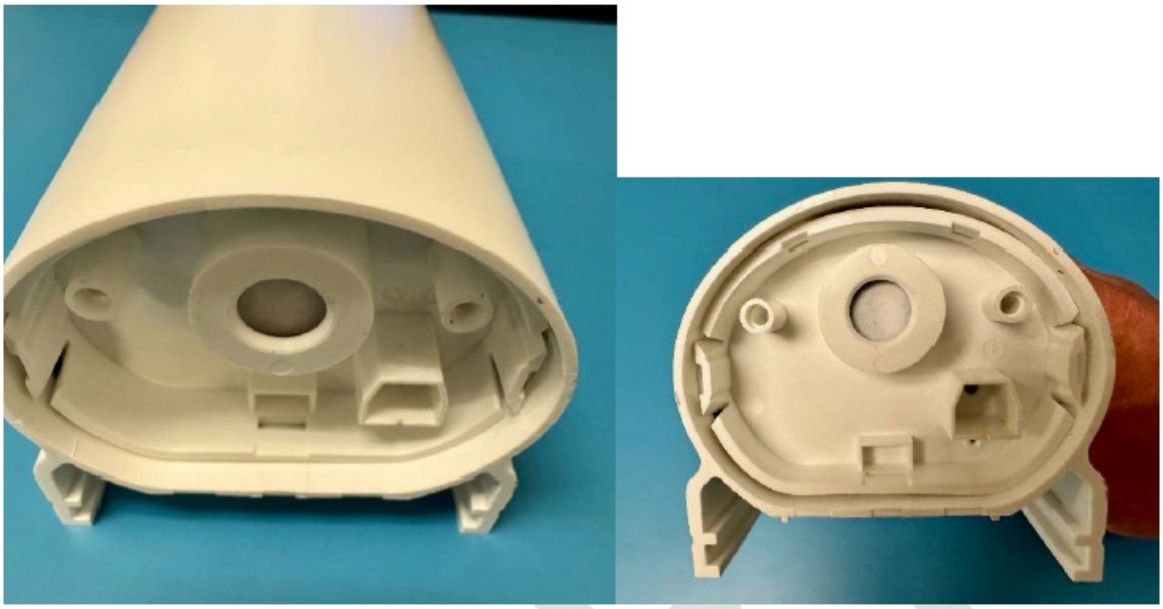
It is recommended that steps 3.1.1 through 3.1.3 are performed in a controlled environment that is known to be non-hazardous.

1. Connect the battery pack cable of the power module (55-000001) to the keyed receptacle on the radio and sensor module (53-000022).



2. Align the radio and sensor module and the power module and begin sliding the two together. The radio and sensor module will fit inside of the power module.

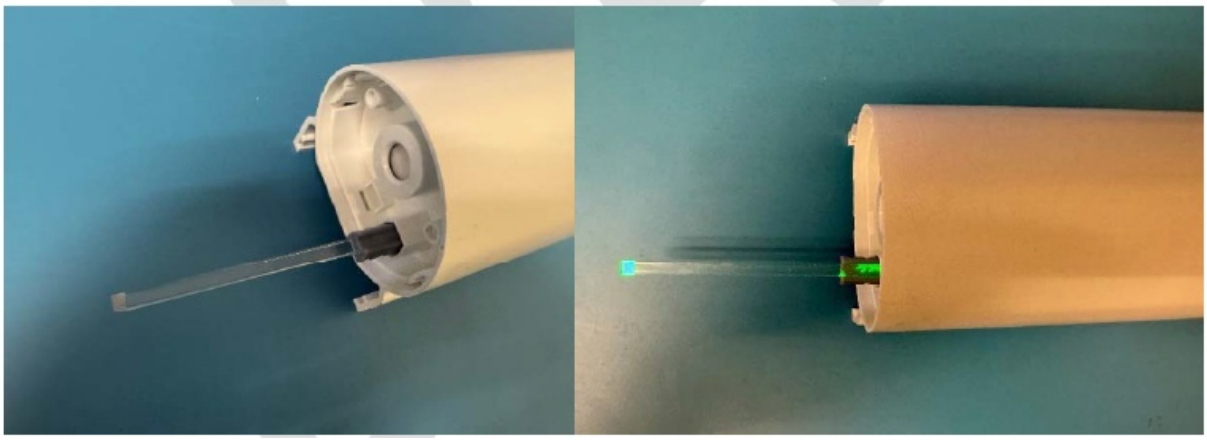
3. The connection of the two modules is completed when the radio and sensor module ‘snaps’ into place within the upper enclosure. The pictures below show the approximate depth required for the ‘snap.’



Step completes the connection of the radio and sensor module with the power module. The subsequent steps can be performed within Hazardous Zones,if needed.

Turning the endpoint ON and OFF.

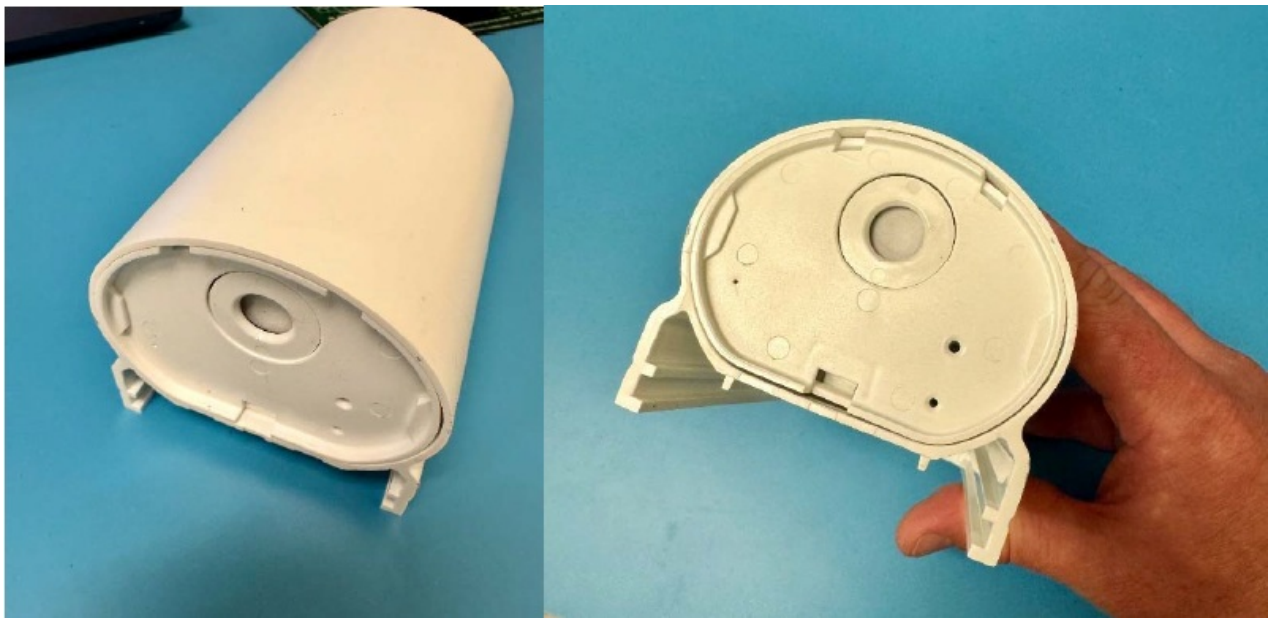
The magnetic tool is used to turn the endpoint on and off. The magnetic tool fits within a trapezoidal slot on the bottom of the endpoint.



1. Powering on the endpoint
    1. Insert the magnetic tool into the slot and holding for approximately 1-3 seconds. An internal green LED will activate and blinkdown the length of the magnetic tool.
    2. Remove the magnetic tool within 10 seconds of seeing the blinking green LED light
2. Powering off the endpoint
    1. Inserting the magnetic tool into the slot and holding for approximately 10 seconds. An internal green LED will activate,shine down the length of the magnetic tool, and remain on for the remainder of the 10 seconds.
    2. One the steady green LED is off, remove the magnetic tool.

LID attachment to the Endpoint

The LID for the Radio and Sensor Module (22-000029) should be reattached to the endpoint.



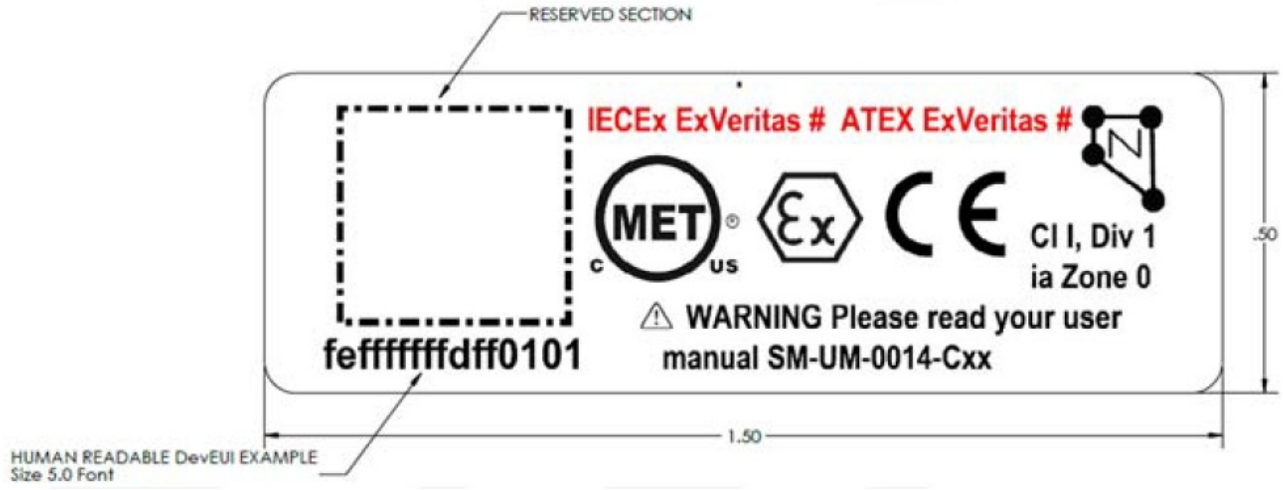
Product Specifications & Markings

Environmental Range

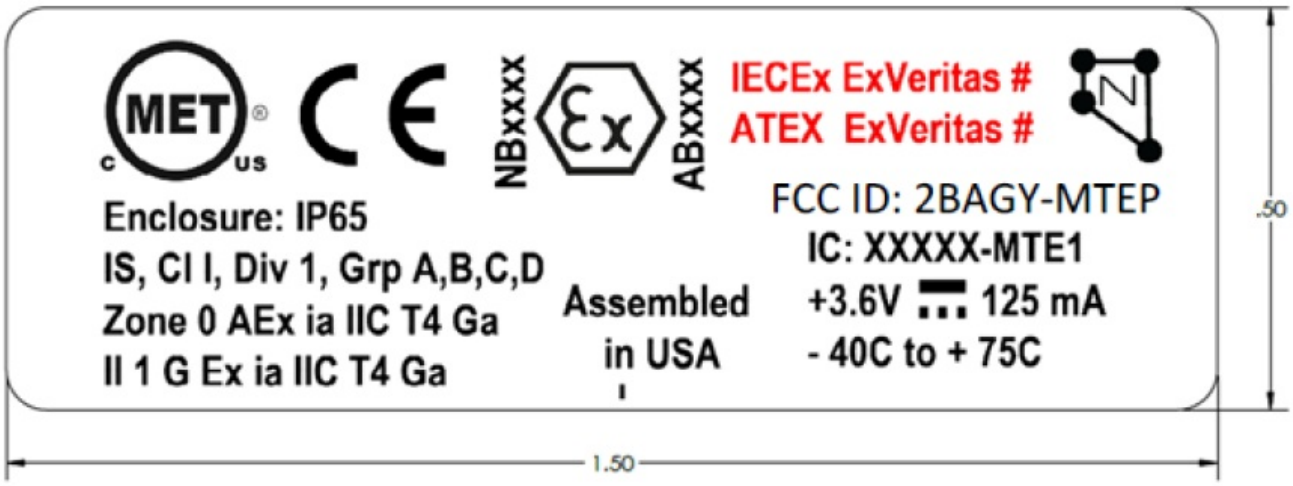
Parameter	Minimum	Maximum
Temperature	-40 ^{o}C (-55 ^{o}C Storage)	+75 ^{o}C (+85 ^{o}C Storage)
Relative Humidity	0%	100% (non-condensing)
Atmospheric Pressure	80 kPa	120 kPa
IP Rating	Certified to IP65	Capable to IP66

Markings / Labels

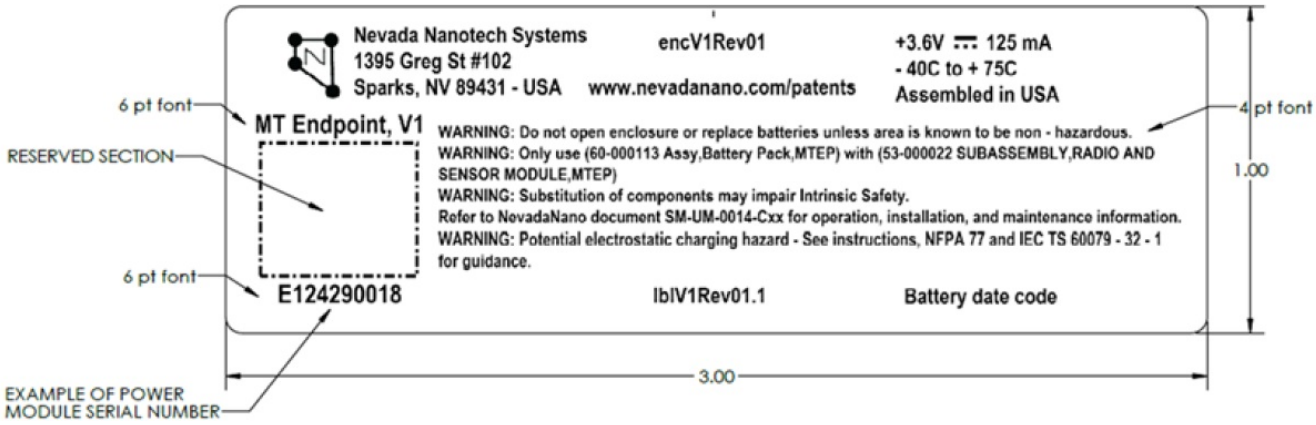
1. Representative Sample of the Label for the Radio and Sensor Module (26-000022-DWG)



2. Representative Label for the Lid, Radio and Sensor Module (26-000023-DWG). Contains the generic Hazardous Location certification information for MTEP



3. Representative label for the Power Module (26-000021-DWG). Contains power number serial number information and MTEP Warnings.



Annex A

Supplier’s Declaration of Conformity and Regulatory Statements

- Model: Methane Tracker Endpoint (MTEP)
- Nevada Nanotechnology Systems
- 1395 Greg Street, Suite 102.
- Sparks, NV 89431
- info@nevadanano.com
- (775)-972-8943.

FCC STATEMENT

FCC ID: 2BAGY-MTEP

FCC Radio Frequency Interference Warnings

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Guidelines for Human Exposure

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body.

FCC Information to User

- This product does not contain any user serviceable components and is to be used with approved antennas only. Any product changes or modifications will invalidate all applicable regulatory certifications and approvals.
- This device and its antenna(s) must not be co-located or operation in conjunction with

any other antenna or transmitter.
- Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

Industry Canada

This Class A digital apparatus complies with Canadian ICES-003

INDUSTRY CANADA RADIATION EXPOSURE STATEMENT

MPE/SAR

To comply with RSS-102 requirements, a separation distance of 20 cm must be kept between the device and the user at all times.

FAQ

Q: Can I use components other than Nevada Nano Battery Module P/N 55-000001?

A: Substitution of components may impair Intrinsic Safety. It is recommended to only use the specified battery module.

Documents / Resources

	Nevada Nano MTEP Methane Track TMV1 Endpoint [pdf] User Guide MTEP, MTEP Methane Track TMV1 Endpoint, MTEP, Methane Track TMV 1 Endpoint, Track TMV1 Endpoint, TMV1 Endpoint, Endpoint

References

- User Manual

Nevada Nano

Endpoint, Methane Track TMV1 Endpoint, MTEP, MTEP Methane Track TMV1 Endpoint, Nevada Nano, TMV1 Endpoint, Track TMV1 Endpoint

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