

July 31, 2025

Nemko North America, Inc.
303 River Road, Ottawa, ON K1V 1H2 Canada
Attn: Director of Certification

Family Certification request letter

We are writing to request Family Certification for the following models associated with our product:

- **FCC ID:** 2AXVKTP400
- **ISED Certification Number:** IC: 26661-TP400
- **HVIN/Model number:** TP-400R8, TP-400V
- **PMNs/Model names:** TP-400R8, TP-400V

While these models share similarities, there are minor modifications that need to be documented. Below, we provide the necessary details:

1. Electrical Differences:

- The models are electrically identical.
- Although the circuitry and components are largely identical, there are specific variations between the models. These differences include:
 - The TP-400R8 contains analog input circuitry on the main board and an analog input expander board (Total of eight analog inputs)
 - The TP-400V has the analog input circuitry on the main board removed, and an accelerometer and associated digital circuitry populated
 - The TP-400V does not contain the analog input expander board
 - The power and radio sections on the main board are identical
 - The firmware is different between models. The TP-400R8 firmware only reads the analog inputs, and the TP-400V only reads and processes accelerometer data. The radio driver firmware is identical

2. Antenna Type and Gain:

- All models share the same antenna type and gain.
- All models share the same antenna type, but there may be slight variations in gain. Specifically:
 - N/A

3. Enclosure Details:

- The enclosures are consistent across models.
- The enclosures exhibit minor differences. These include:
 - The TP-400R8 contains eight openings at the bottom to accept RTD probe cables
 - The TP-400V enclosure has the cable openings omitted
 - The front membrane (push buttons, LEDs) is electrically identical, but each model contains its name on the membrane



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Test Results Applicability:

The test results obtained for one model within this family can be applied to all other models, considering their similarities. However, any significant differences (e.g., frequency bands, power levels, or functionality) must be clearly documented.

We appreciate your attention to this matter and look forward to a prompt review of our Family Certification request. If you require any additional information or clarification, please do not hesitate to contact us.

Sincerely,

Signed by:

A handwritten signature in blue ink that reads "James Walz".

Signature

James Walz

Print name

Director Hardware

Title

+1-613-595-0303

Phone