



PROVIDING SOLUTIONS IN:

Tension Control
Process Weighing
Vibration Monitoring
Local Field Service

TECHNICAL NOTE

Model HI 3030 Series

Update advisory notice for Firmware version 2.14.01.00 or higher.

This advisory notice concerns backwards compatibility of your mapping equations.

Versions **2.14.01.00** and up have the Gross weight in floating point format as a default data to the communications output table, word locations 0 and 1. This applies to all forms of communications with the exception of Control Net and RIO.

The Control Net will have the Gross weight in word locations 2 & 3 as words 0 & 1 are reserved. The RIO will not have the Gross weight as a default output, due to complications with the first byte being reserved and not enough discrete data necessarily available to get entire weight data.

Any mapping into these locations will overwrite the Gross weight reading. However, if you are using either of these locations as a register that accumulates values, like a counter, timer, or totalizer, then it will stop working properly. If this is the case, moving the current mapping to a different word location will solve the issue.

An example would be if you have mapped:

$$DFO0 = +DFO0 + HFO0$$

In this example, DFO0 would increment by the value in HFO0 every scan. However, with the new version of firmware, the value located in DFO0 would not be retentive with this total, but would lose its value every scan and be replaced with the current gross weight data.

Simple work around:

Use any available register other than the first two words of the output table for the accumulating register. Example:

$$DFO4 = +DFO4 + HFO0$$

could replace the above mapping. Now your accumulating value will be in DFO4. If you needed the value in DFO0 for your PLC program, you would then map:

$$DFO0 = DFO4.$$

This way your accumulator is not affected by the change, but it would be transparent to the PLC.