

## HI 1746WS Weigh Scale Module

### Hard Calibration Ladder Logic Example and Explanation

This file downloads the CalLo Weight and Span Weight values, sets the zero and span settings and then saves data to non-volatile memory.

- Rung #0            Does the necessary read of the M1 file to get the sequence number.
- Rungs #1-5        Downloads the CalLo Weight value. These rungs also follow the same pattern as setting a parameter in the SETPARAMS Example. (See the HI 1746WS Manual, Chapter 4, Setup)
- Rungs #6-10      Downloads the Span Weight value. These rungs also follow the same pattern as setting a parameter in the SETPARAMS Example. (See the HI 1746WS Manual, Chapter 4, Setup)
- Rungs #11-17     Writes the CALLOWCMD command to set the “zero” point (empty scale). These rungs also follow the same pattern as setting a parameter in the SETPARAMS Example, except there is a timer used after the write and before the read to give the module time to complete its functions. This is the time it will take the data used for “*IT*”.
- Rungs #18-22     Writes the CALHIGHCMD command so set the span point.
- NOTE:** *The amount of the span weight must be placed on the scale before these rungs are run. Notice the trigger bit B3:2/1 needs to be set to allow completion.*
- Rungs #23-27     Write the WRITENONVOLATILE command. This command saves the new calibration to the non-volatile memory. This also follows the same pattern as setting a parameter in the SETPARAMS Example.









