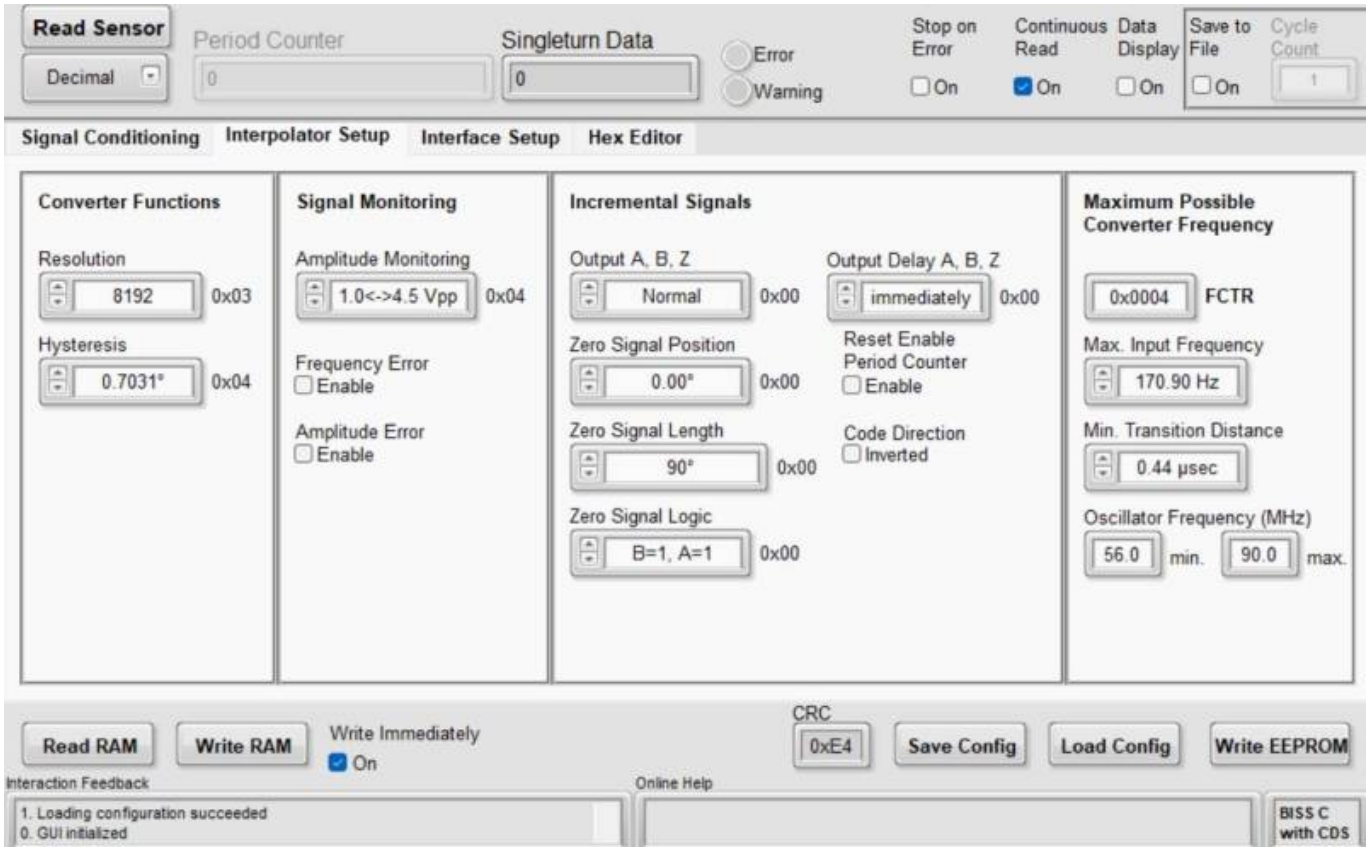
BISS-C Encoder interface

This page describes the **BISS-C encoder interface** of the Green Drive tubular linear motor. The BISS-C option provides an absolute single-turn position, which is useful for applications that need a defined reference after power-on.

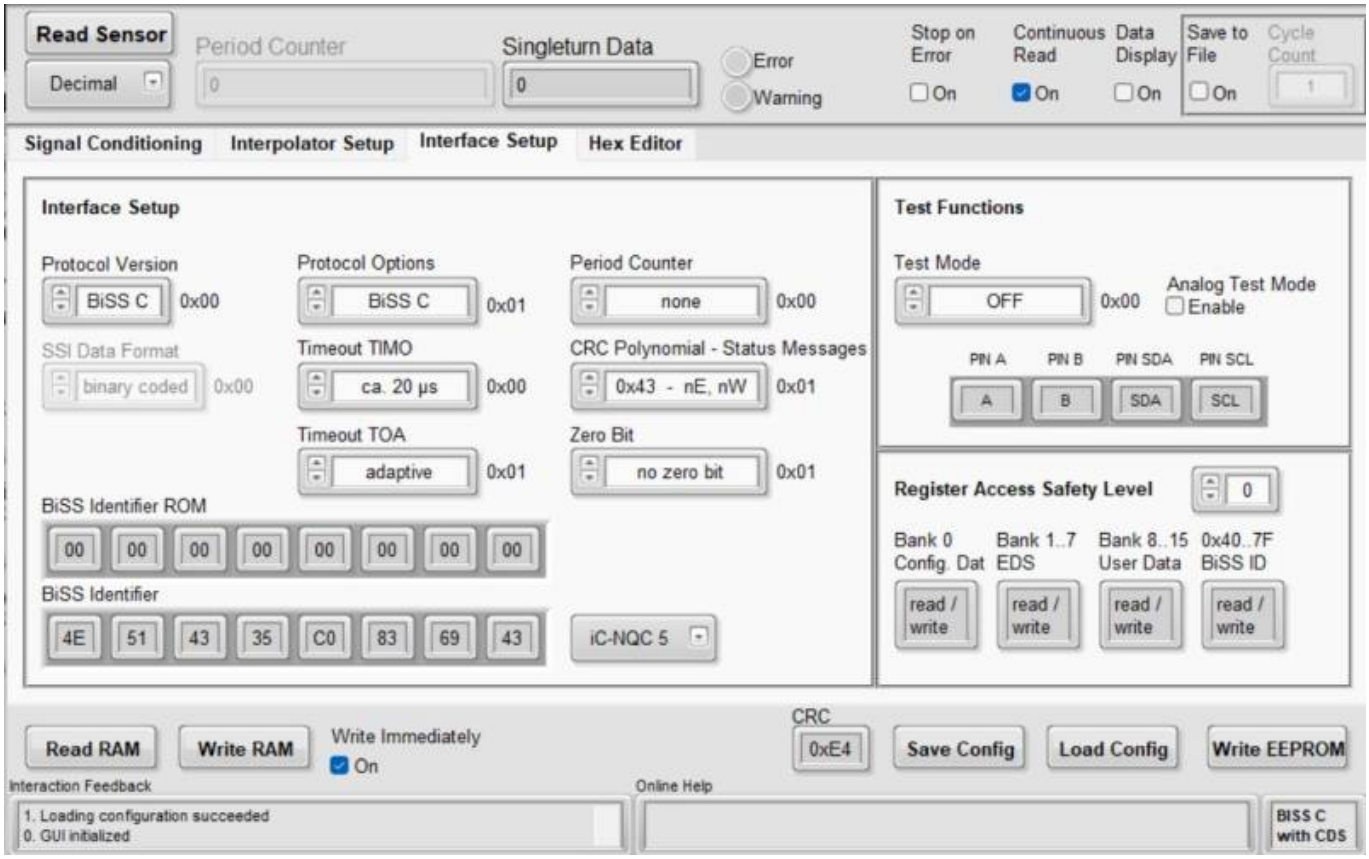
Please contact NILAB to buy the programming cable and software to change the standard configuration.
The encoder BISS-C position corresponds to a single-turn absolute value, where the single turn is related to 60 mm of linear displacement.

Standard configuration

The interpolator is set to 8192 pulses/revolution, corresponding to 60/8192 = 7.32 µm of resolution. This resolution is on the AB TTL 5V digital output signal.



Additional resolution can be selected: 4096, 2048, 1024 pulses/revolution.



Notes

- The BISS-C interface provides absolute position within one 60 mm turn. - The resolution can be changed with the programming cable and software from NILAB. - The digital output provides AB TTL 5V signals for the drive or controller. - For the connection and the encoder wiring, refer to the connection system page.