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TI-5000JX NEW FEATURES

Instant Software Access

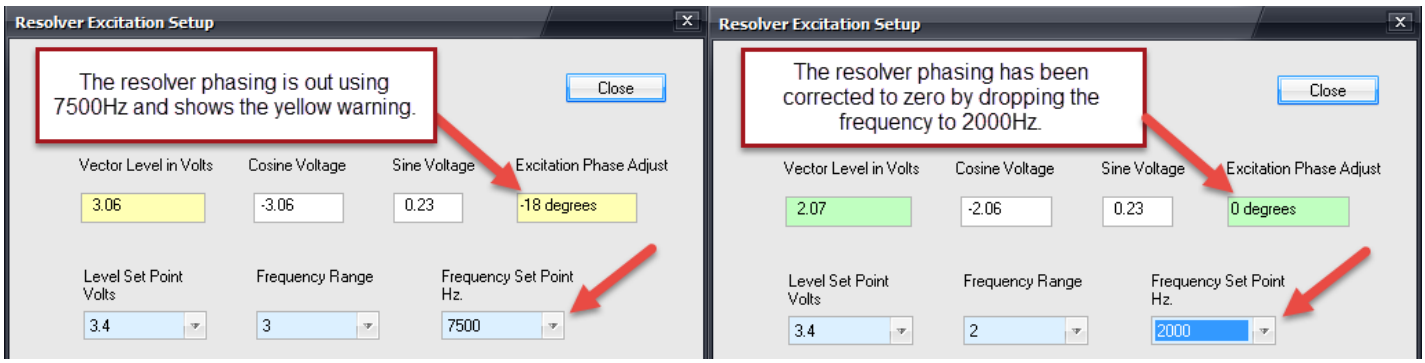
The MEI software credit platform empowers your servo motor repairs with instant access to software. Purchase credits in advance and use them to "checkout" the software per the Software License. Immediate access to all software options reduces your turnaround time and increases flexibility by providing service to hundreds of motor and encoder models. The credit platform averages out spending over time, reducing large and long-term purchasing commitments, while also minimizing cost by charging only by usage. It also streamlines your process by eliminating purchasing urgencies.

Automatic Software Updates

JX users are alerted of software updates automatically through an internet connection. The automatic update system simplifies the TI-5000JX and TI-3000JX update process and requires minimal user input, insuring you have access to the latest features at all times.

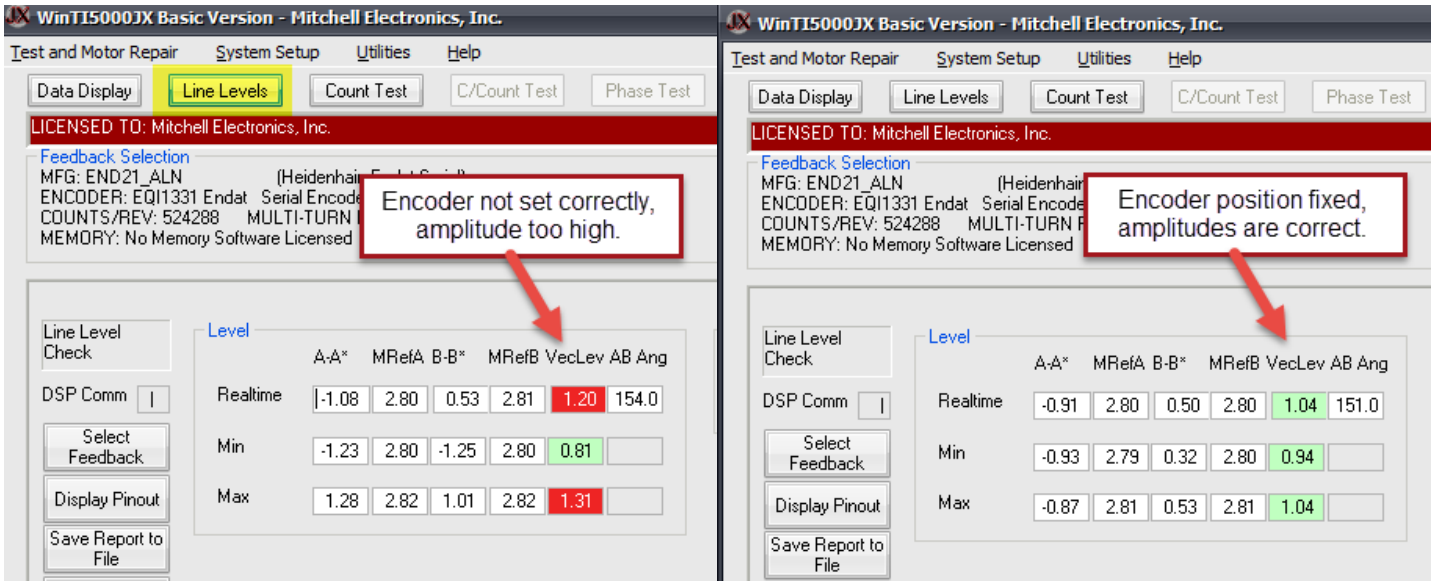
Resolver Excitation Phase Adjust

Every resolver requires a unique excitation frequency and selecting the wrong one can produce poor readings. This new feature helps you choose the best excitation frequency for your specific resolver by providing a plus or minus offset so that you can adjust your frequency up or down until the offset is in the green range, or close to zero degrees.



1Vp-p Line Levels Test for Stegmann and Heidenhain Serial Encoders

SICK Stegmann Hiperface and Heidenhain EnDat serial encoders have 1Vp-p sine wave incremental outputs in addition to their serial signals. This new test quickly reports if those signals are at the correct amplitude. This is especially helpful for two-piece inductive serial encoders because the mounting position of the encoder body relative to the encoder wheel determines these amplitudes. If the encoder is not set correctly, the amplitudes will be incorrect, and the drive will alarm. This test requires the TI-5101 module for Heidenhain encoders and the TI-5104 module for Stegmann encoders.



New Feedback Selections

The JX Platform already includes new serial encoder selections such as MFE0020, MFE2500, and several new Heidenhain EnDat encoders. The TI-3000JX also has the new ability to run from Heidenhain serial stream only, which supports many new encoders. Additional feedback and run-test features are offered constantly through automatic updates.

New Encoder Memory Features

The TI-5000JX has Memory Test Features for newer Panasonic motors with MFE serial encoders. This test is compatible with the identical Omron R88M-G and R88M-K series motors as well. We also offer Memory Test and Programming features for SEW motors with SICK Stegmann Hiperface serial encoders.

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Panasonic Data Report

MOTOR PARAMETERS                        DRIVE & ENCODER DATA
Motor Model    MSMD022G1T               Block 0 Checksum        OK
Rated Output [W]          200           Block 1 Checksum        OK
                                        Block 2 Checksum        OK
                                        Block 3 Checksum        OK
                                        Block 4 Checksum        OK
DERIVED DATA                            No. of Pole Pairs       4

Standard alignment - no derived data
+U-V Lockup Elect. Angle  240
+U-W Lockup Elect. Angle  180
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SEW Hiperface Data Report

MOTOR PARAMETERS
MotrModl      BSHF302 CMP50L/BP/KY/AK0H/SB1
Ser#                  01.1812975301.0006X12
Motor Torque [Nm]         3,30          Peak Voltage [V]        400
Peak Current [A]          13,60         Nom RPM                 3000
                                        Frequency [Hz]          150
DERIVED DATA                            Cl.th. (Thermal Class)  F
                                        Brake V                 24=
Stndrd aln (not derived)                Brake Torque            4.3
+U-V Lockup Elect. Angle  60            Brake Control           OHNE
+U-W Lockup Elect. Angle  120
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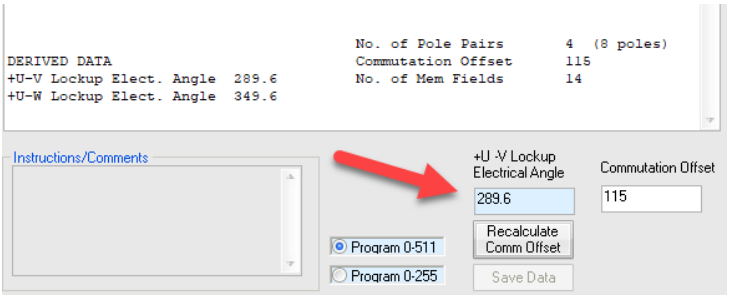
Rexroth MSK motors have become easier to align with the new commutation offset feature, allowing you to simply program a new encoder alignment into the encoder memory.



New SICK Hiperface DSL Hardware and Software

SICK Hiperface DSL encoders are now a popular feedback type used on new motor models from Allen Bradley, Kollmorgen, Beckhoff, Parker, and others. The new TI-5106 hardware adapter module is designed to support all Hiperface DSL encoders including the common EKS/EKM36 and EFS/EFM50 models with 18, 21, and 23-bit count resolutions. This module along with the proper test cable and software selection for your motor type supports the 2-wire Hiperface DSL protocol including the ability to perform a count test, display electrical angles, set alignment electronically, receive error codes, read and write memory data from supported manufacturers, and run-test motors using the TI-3000JX.

Hiperface DSL is considered a premier feature on the JX System. If you are interested please contact sales@mitchell-electronics.com.

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