RELEASEnotes

TIM40: Torque Interface Module

Thank you for choosing HBM's torque interface module TIM40.

Your feedback is important for HBM. If you encounter any problems or suggestions to improve the TIM-EC interface module, please let us know.

You can contact our team of support engineers directly at http://www.hbm.com/support

Please always use the latest firmware version, available on HBM.com's download section:
https://www.hbm.com/en/3833/tim40-torque-interface-module/

Version Overview – TIM40

Product name: TIM40 Version: 1.17 Date: 22.02.2020	Patch: Add low pass filter corner frequency 20, 50, 200 and 500Hz. Fix error on output signals with negative torque assigned. Fix zero signal balance with negative torque assigned.

Product name: TIM40 Version: 1.14 Date: 01.08.2012	New: Identification (T40B, T40FM) implemented. Change center frequency Stator (T40B, T40FM) implemented. **Note center Frequency:** After change of the center frequency, new frequency is not updated automatically. After switching to a different menue point and back to center frequency change is updated. EDS-file (TIM_1V0) for CANopen available.

Product name: TIM40 Version: 1.13 Date:	Patch: Profibus ID changed 1811 >>>0C06

Product name: TIM40 Version: 1.12	New: Recognition of interrupted connection between TIM40 and torque transducer, all data outputs (voltage, current, Ethernet, anybus) are set to error value. All error

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Date: 03.11.2009

values are setting the red LED.Message ERROR_ETH_FIFO_FULL is treated as a warning and is not resulting in a red LED indication.

Product name: TIM40

Patch: zeroing torque value on anybus and analogue outputs.

Version: 1.11

Date:

Product name: TIM40

Patch: adjustment scaling of Frequency output in german website.

Version: 1.10

Date:

Product name: TIM40

Patch: frequency output over range up to 120%.

Version: 1.8

Date:

Product name: TIM40

Patch: English website rework prametrize transducer, torque, low-pass filter. Factory settings current output 12-20mA. Implementation units. Rework indication values

Version: 1.7

Date:

Product name: TIM40

Patch: English website change naming general settings "passcode active" an torque transducer "Ident-no.rotor"., signal conditioning "zero balance". Monitoring of the communication between TIM40 and torque transducer. Interruption of communication is leading to "T40 communication error" status

Version: 1.6

Date:

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LED red. Cross check torque value actual transducer with actual parameter set. Inconsistency is resulting in error message "invalid parameter set". Extension of DHCP timeout.

Product name: TIM40

Version: 1.5

Date:

Patch: Elimination frequency adjustment "adjust_de.htm" on web site.

Product name: TIM40

Version: 1.4

Date:

Patch: Improvement of communication between TIM40m and torque transducer.

Product name: TIM40

Version: 1.3

Date:

New: Implementation of unit and decimal point on web site "Messen". Change "1st point frequency" to " 1st point voltage" and "2nd point frequency" to "2nd point voltage" on web site "pt_analog_output_eng-htm". German web site: Elimination of column "Werkseinstellungen" at "speichern/laden". Implementation of „Werkseinstellungen" at „Laden". Automatic check of nominal measuring range 10Nm – 100kNm . If value invalid message under "measure or laden" will occur >>> red LED.

Product name: TIM40

Version: 1.0

Date:

Patch: German web site. Rework scaling of frequency output.

RELEASEnotes

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* The first Firmware Release for the TIM40 amplifier was version 1.V0

Please always use the latest firmware and software version, available on HBM.com's download section: → Sensors → Torque Sensors → TIM-PN/EC

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