

RELEASEnotes

TIM-PN: Torque Interface Module - Profinet

Thank you for choosing HBM's torque interface module TIM-PN.

Your feedback is important for HBM. If you encounter any problems or suggestions to improve the TIM-PN 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/5577/tim-pnec-profinet-and-ethercat-torque-interface-module/>

Version Overview – TIM-PN

Product name: TIM-PN

General: New firmware **2.0.1 is not downwards compatible** due to new flash mapping and introduction of an additional MAC-Address! **TIM-PN with previous firmware 1.X.X should not be updated!**

Patch: New flash mapping. Randomly loss of device name / IP-address via fieldbus fixed. Using frequency mode message in engineering software e.g. TIA portal service / diagnosis simulation active. readout active parameter set via control system. Frequency mode: add serial number to approximation table. Add progress bar for firmware update. Add additional transducer type identification. Invalid correction factor in frequency mode while using table function in approximation setup fixed. Add low pass filter 20Hz, 50Hz, 200Hz and 500Hz for torque and speed channel

Version: 2.0.[1](#)

GSDML-file: V1.3.0

Date: 07.03.2019

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Product name: TIM-PN

Patch: Approximation Nm/Nm and Nm/Hz.
Correction slope for frequency input
Implementation of CASMA (Crank Angle
Synchronous Moving Average) -filter.

Version: [1.0.1](#)

GSDML-file: V1.3.0

Product name: TIM-PN

Version: [1.0.0](#)

GSDML-file: V1.3.0

Date: 09.02.2016

*** The first Firmware Release for the TIM-PN amplifier was version 1.0.0**

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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