

Firmware release notes for sensor family: QG65N/QG76N CANopen (F-type)

Firmware version number	Changes with respect to previous version	Date of release
V6.4	Improved emcy (emergency) message 'ERR_HARDWARE (0x5000) in case of an internal non-recoverable EEPROM error. Now divided in three EEPROM blocks. Sensor will stay in pre-operational state if this error exists	20191112
V6.3	Minor improvements of factory calibration process	
V6.2	Incidentally one of the MEMS chips does not startup properly. Rebooting the device solves this issue in most situations. This modification improved the initialisation of the MEMS chips in such a way that the sensor will startup normally.	2019-08-05
	TPDO message optimized: $\pm 180^\circ$ sensor: empty TPDO-bytes removed. Sensor output: PDO byte 2,1	Released in V6.2
	TPDO messages optimized: TPDO2 default off.	
	TPDO-mapping implemented according to CANopen standard, see manual for details	
	Centering limits adjustment disabled, preventing the sensor from being used outside specification	
	Several Manufacturing related objects disabled for end-user	
	General accuracy improvements	
	Restore function set to restore to DIS defaults: 125kbit/s, Node-ID 1	
	Add password function for factory setting adjustments	
	Set default TPDO1 event time to 50ms (improved dynamic behaviour in combination with 32 TAB filter	
	Reset communication changed from 1 Mbit/s to the latest stored settings	
	Device now supports 50kbit/s baud rate	
	Adjusted to the latest CANopen standard	
	For acceleration mode: switching between RMS and Peak mode improved	
	32 TAB filter added in $\pm 30^\circ$ and $\pm 90^\circ$ measuring range, in order to improve sensor behaviour in vibrating situations	
	One-build firmware, will replace 4 firmware-builds v5.x: Inclination $\pm 30^\circ$, $\pm 90^\circ$, $\pm 180^\circ$ and acceleration $\pm 8g$ This build is backwards compatible to the former v5.x firmware version, except TPDO mapping procedure, see manual	