RELEASEnotes

DSE-HIE industrial electronic and signal conditioner

Thank you for choosing HBK's industrial electronic platform series DSE-HIE and the related software.

Your feedback is important for HBK. If you encounter any problems or suggestions to improve the DSE-HIE industrial electronic, 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 HBK.download section:
https://www.hbm.com/en/1256/software-and-firmware-downloads-for-industrial-amplifiers/

Version Overview

Prodname: DSE-HIE

Version: 3.1.0

Date: 09.05.2023

New:
- Add "Tach-mode" to the optimization, that already the first filling process
- Extend weighing status: "target weight reached"
- Modbus/TCP fieldbus
- FFT-analysis in Webserver
- Save parameter sets as "Save as" so that the PS-number can be freely assigned
- Several updates and improvements on the DSE Webserver

Changed:
- Graphics in filler mode updates itself automatically after a filling process
- After changing the decimal places, this is displayed on the y-axis in the graphic
- Data type change from U16 to U8 for the following objects. **Caution: This change relates to new Device-Description-File for Profinet and EtherCAT which have to be used with FT V3.0 and leads to incompatibility with previous FW-versions!!**

Filler
filler_alarm	2200/0A
filler result status	2000/06
filler process status	2D00/02
filler valve status	2D00/03

Checkweigher
trigger state	2023/05
trigger result status	2000/04
trigger commands	2023/07

Simple commands

RELEASEnotes

simple commands   3002/01
simple commands status 3002/02

- Updated Device-Description-files for Profinet and EtherCAT
- Update of DSE datasheet, manual and webserver-help

Bug Fix:
- Fix error in dosing control VCT0
- Fixed error "Max optimization" in web interface
- Fixed the "fine flow" error under ProfiNet
- Error "Result status filler/checkweigher" fixed

Next:
- Legal-for-Trade (LFT) mode, more fieldbuses

Prodname: DSE-HIE

Version: 2.0.0

Date: 29.04.2022

New:
- Application checkweigher
- Application filler
- Automatic zeroing function
- 10 Parameter sets for storing settings
- Backup/Restore settings to/from disk
- EtherCAT interface
- Simplify fieldbus commands for taring/zeroing
- Raw value in mV/V on fieldbus
- Several updates and improvements on the DSE Webserver

Changed:
- Minimal cutoff-frequency of the FIR filter set to 3Hz (former 2Hz)
- Update of datasheet, manual and documentation

Bug Fix:
- Automatic calibration left a small offset sometimes to the measured value fixed
- Profinet reconfiguration after changing modules fixed
- workaround for floating gates inside HDC2010 which leads to bitflips and the sensor suddenly stopping or giving invalid readings fixed

RELEASEnotes

Next:
- FFT-analysis in Webserver, Legal-for-Trade (LFT) mode, more fieldbuses

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Prodname: DSE-HIE

Version: 1.1.1

Date: 05.03.2021

New:
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Changed:
- Minimal cutoff-frequency of the FIR filter set to 3Hz (former 2Hz)

Bug Fix:
- Handshake with production-software corrected

Next:
- Check-Weighing, Filling & Dosing, Legal-for-Trade (LFT), more fiedbusses

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Prodname: DSE-HIE

Version: 1.1.0

Date: 25.09.2020

New:
- New WebServer Help (DE/EN)

Changed:
- Updated GUI (webserver)

Bug Fix:
- Minor error-correction in GUI, data-sheet and manual

Next:
- Check-Weighing, Filling & Dosing, Legal-for-Trade (LFT), more fiedbusses

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RELEASEnotes

* The first Firmware Release for the DSE-HIE industrial electronic was version 1.0.0 *

Please always use the latest firmware and software version, available on HBM.com's download section: → Service&Support → Firmware&Software → Industrial Electronics

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RELEASEnotes

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