LDD-1301 Hardware Release Notes

LDD-1301

meerstetter engineering

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Developed, assembled, and tested in Switzerland

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Document 5303C

Release date: 1 May 2025

1 General Information

This document summarizes all LDD-1301 hardware changes. For additional information, please contact Meerstetter Engineering GmbH.

2 Hardware Changes Overview

Change	**LDD-1301** HW version Release date Corresponding datasheet	**Detail**
Labeling system modified, PD4 now default and included for non-LPC users.	HW v1.22 April 2025 5245I	No physical difference.
Scale interlock filter values	HW v1.21 August 2024 5245H	Reason for change: some devices with components that meet specifications are not able to release the interlock due to insufficient optocoupler conversion rate of the interlock drive current. Interlock time can vary around 100 ns. No change to specification in datasheet (250 us).
Increase interlock speed	HW v1.20 June 2022 5245G	
Replace components to support a higher input voltage		
Light measurement hardware is now included only with LPC option		
Modified Analog input and output circuitry, old version did not function properly	HW v1.10 December 2021 5245D	

A Change History

Date of change	Doc/Version	Changed/ Approved	Change / Reason
2023-12-15	A	RS / HS	• First edition (replaces document 5264D)
2024-08-16	B	RS / HS	• Scale interlock filter values
2025-04-17	C	RS / SC	• New HW v1.22