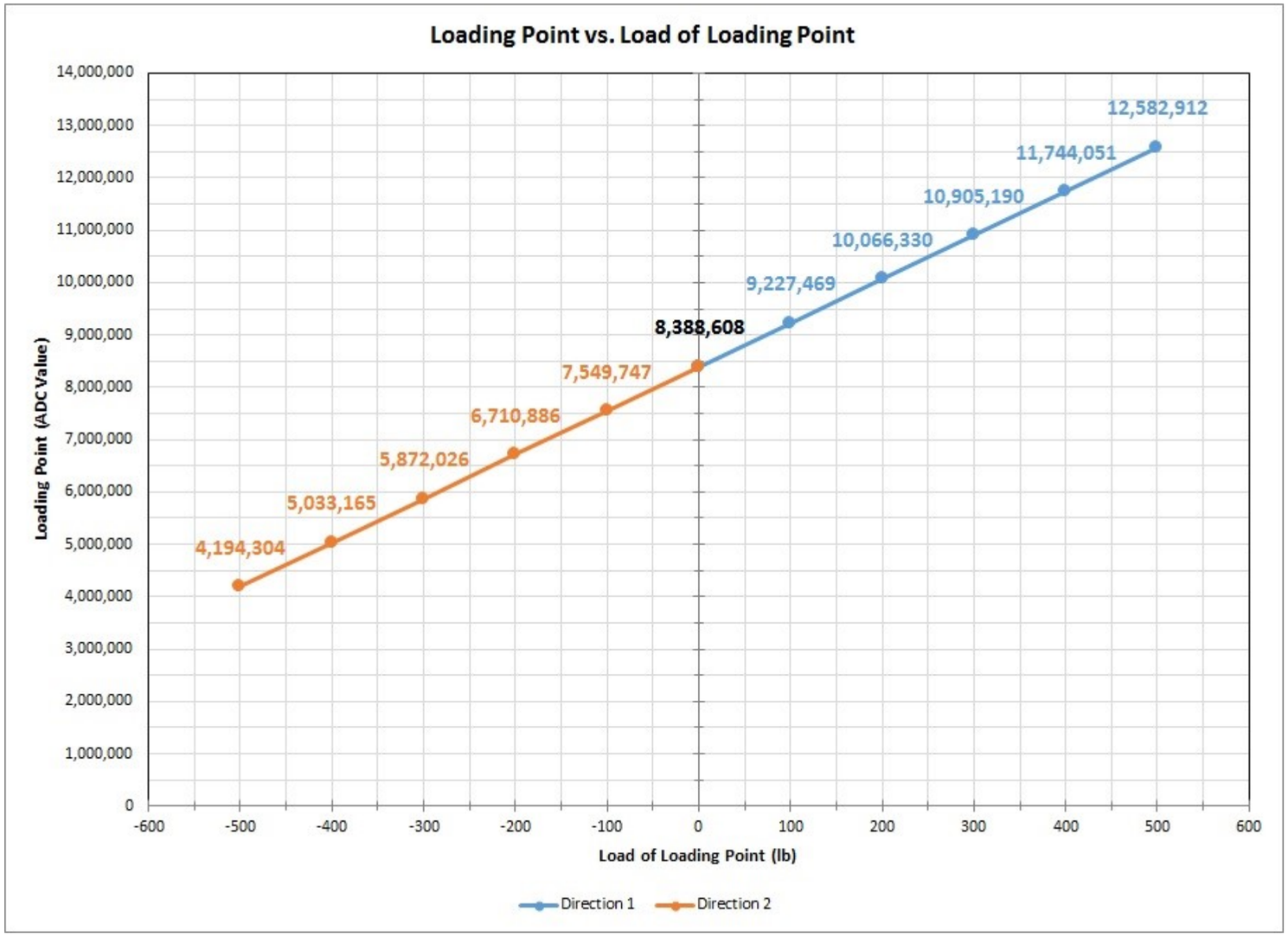
Calibration Overview

Collapse All

The following sections provide a graphical representation of the calibration data that is stored in the EEPROM of the USB device.

Calibration Example

The following example provides a graphical representation of a 5-point calibration that was performed in two directions using a USB210. Each direction contains data related to the physical load (Load of Loading Point (lb)) and the input voltage (Loading Point (ADC Value)). Depending on the type of board used, there can be several loading points applied during calibration.



Direction 1		
Point	**Load of Loading Point (lb)**	**Loading Point (ADC Value)**
Loading Point 0	000.00	8388608

Loading Point 1	100.00	9227469
Loading Point 2	200.00	10066330
Loading Point 3	300.00	10905190
Loading Point 4	400.00	11744051
Loading Point 5	500.00	12582912
Direction 2		
Point	**Load of Loading Point (lb)**	**Loading Point (ADC Value)**
Loading Point 7	000.00	8388608
Loading Point 8	-100.00	7549747
Loading Point 9	-200.00	6710886
Loading Point 10	-300.00	5872026
Loading Point 11	-400.00	5033165
Loading Point 14	-500.00	4194304