

## Instructions for manual vertical gain calibration models 2534, 2540, 2542

The instructions below describe how to manually calibrate the vertical gain for both oscilloscope channels. This calibration mode is supported with firmware versions 2.31 21 081121D (models 2540 and 2542) or 2.31 20 081121A (model 2534) or higher.

### How to activate manual vertical gain calibration mode

1) Press the “CH1 button”. CH1 menu appears. Select the Menu “-More- 1 / 2”

1) Press the “CH1 button”. CH1 menu appears.  
Select the Menu “-More- 1 / 2”

2) Continuously press the blank softkey above  
-More- 2/2 ( 4<sup>th</sup> softkey from the top) for a total  
of 15 times.



3) Now the vertical gain adjustment menu  
“Amplitude Adjust” should appear. This menu  
will remain active until the unit is powered off.

You can now adjust the vertical gain for either  
CH1 or CH2. To adjust the vertical gain for CH1,  
press “Amplitude Adjust”. To adjust CH2 gain,  
press the CH2 button to activate the CH2 menu,  
then select “Amplitude Adjust”



Vertical gain calibration menu and calibration procedure:

Option	Explanation
Adjust	Use the circular arrow button to adjust the vertical gain setting for each Volt/Div setting. Apply a reference signal to CH1, and then adjust the vertical gain until the waveform displayed is correct and the voltage measurement is correct. Perform this step for each Volt/div setting and each channel
Save & Exit Adjust	Store the calibration value to non volatile memory, then exit the cal menu
Exist Adjust	Exit without storing the calibration value. The calibration values are only valid until the unit is turned off

Gain adjustment menu for CH1



Gain adjustment menu for CH2

