



EVA5010 Quickstart

Actions

- Physically connect EVA5010 board with computer via USB
- Ensure that a sensor or capacitor is connected on EVA5010 board
- Start the EVA5010 software
- Perform Setup (Tab "Setup")
- Set measurement condition and start measurement (Tab "Measure")
- Analyze results (in result window or save results to file)

Tab "Setup"

LYAJUTU		
ecup Measure Into		
ieneral setungs		
hannel X 📝 Activate	Single-ended	*
hannel Y Activate	Differential	*
alibration		
utomatic Calibration		
alibration Constant Channel X	0x083e	(default: 0x0800)
alibration Constant Channel Y	0x07b5	(default: 0×0800)
Adjust Capacitance		
utomatic Determination		
Positive Capacitance on Channel X	Active 0.360	pF
legative Capacitance on Channel X	Active	pF
Positive Capacitance on Channel Y	Active	pF
legative Capacitance on Channel Y	Active	pF
		Confirm Clear

Windows XP (build 2600, Service Pac

Possible Settings:

- Amount of channels (one or two)
- Operation mode (single-ended or
- differential)
- Calibration (manually or automatically)
- Adjust capacitance (manually or automatically)

Recommendation:

- employ screw driver adjustable capacitance for single-ended sensor
- Use automatic calibration for all measurements

Tab "Measure"

PE EVA5010			
File Help			
Setup Measure Info]		
Measure Settings			
Number of Measurements	10		(default: 1) {14095}
StartUp Time	0	sec	(default: 0) {0255}
Measure Interval	1	sec	(default: 0) {0255}
Average	1		(default: 1) {115}
Interrupt Mode	Activate		
Interrupt Time		ms	
	Lower Interrupt Limit		Upper Interrupt Limit
Channel X		pF	pF
Channel Y		pF	pF
Start	Stop (Re	eset Save To File
Results	Channel X - Measure 0010: 0x0cad / 2.394 pF Channel Y - Measure 0010: 0x0829 / 0.041 pF		
Status	Status: Measurement stopped with Count: 10		
Connected Setu	o data loaded 🛛 🛛 🕅	/indows	XP (build 2600, Service Pack 3)

Possible Settings:

- number of measurements
- Startup time and measure interval
- Averaging
- Normal mode or interrupt mode
- Limits to release an interrupt (only if interrupt mode is activated)
- Confirm by pushing "Start" button
- Save results in data file or use results directly from "Results" window

For detailed information regarding EVA5010 software refer to the user guide.

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