

Purpose

This note describes how to setup EddyVision to acquire RPC data using the OMNI-200.

Setup Screens

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In the main screen, use Edit | Screens to enable RPC:

💉 Screen P	aram	? ×
<u>F</u> ile		
Function Key	F2 •	
Screen Name	Test	-
Screen Type	, Standard 🗸	1
Strips 📕	Test 📕	
Liss 📕	RPC 🔟	
Report _	📕 🛛 Loc Disp 📕	
Compare _	🔟 Oper Type 💻	
Auto _	Show Dset 🔟	
Strip Charts		
Count	2 🗧	
Frac	25% 🛨	
Lissajous –		
Rows	1 🛨 Use Meas 📕	
Cols	2 🛨 Use Btns 📕	
Frac	75% 🛨 Use Exp 📕	
Cscans		
Rows	1 🛨 Use Meas 📕	
Cols	1 ÷	
Frac	58% 🗧	
Acquisition		
RPC Speed		
Auto ACQ		
Num Encoder		
Plan Rows	10 🛨	
Tester	OMNI-200 🗾	RPC
Pusher	<no pusher=""></no>	RPC
Compare –		
Rows	10 🗧	
Auto —		
DLL	rule_base.dll 🔻	
	ОК	Cancel



Tester Config

Setup tester config (3-coil shown):

🖈 OMNI-200 1 - RPC GUN.cfg														? >
File Edit View Probe Tools Util														
TEST LINK TESTER ON EXPLAIN BALANCE REFIN	JLL	HW N	ULL					A	BORT	POWE	R DOWI		ddress 1	192.1.6.125
Config Options Scope Waveform Freq Sweep Status														
Sample Rate 1,500 🗄 Num Chan 13 Trigger Internal 💌														
Config Options Probe Options AUX Chans Continuous Mode Ghent On Time	TIME	DRIVER			COIL									
32-bit Mode ■ High Speed RPC ■ Encoders ■ Dynamic Gain ■ Array Outputs On ■ RMS ■ Unterent Performance	SLOT	#	FREQUENCY	PHASE	DRIVE	1	2	3	4	5	6	7	8	
Internal Herence X+Probe Gams Time Slew Smatt Probe Sample Index Increment Caps Status & IO Auto Stop Sample Flags No Powerdown Sample Flags	1	1	400.000 KHz	0.000*	75.00%	1	2	3						
	2	1	300.000 KHz	0.000*	75.00%	4	5	6						
SLOT DELAY INTEG TIME ENCODER (uS) (wave) (uS) 1 2 3 4 5	3	1	200.000 KHz	0.000*	75.00%	7	8	9						
1 30 25 93 2 40 25 124	4	1	100.000 KHz	0.000*	75.00%	10	11	12	13					
3 40 25 166 4 50 23 281														
SLOT COIL INPUT GAIN (dB) 1 2 3 4 5 6 7 8														
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$														
4 14 14 14 14														
COIL TYP BC HN RFT CAP NAME														
2 DIF A 0														
3 DIF A 0														
5														
6														
8														
666 of 666 uS														
														OK Cancel



Setup Acquisition Screen

