## Lost Calibration Values on the GeneAmp® 9700

Calibration values can occasionally be lost from the GeneAmp® 9700 due to a variety of factors. If the calibration values have been lost, an error message will appear when attempting a run.

The following document will explain the steps required to obtain and re-enter the lost calibration values for your GeneAmp® 9700.





The following are directions for entering calibration values into a GeneAmp® 9700.

When calibration values have been lost an error message will be displayed.



To obtain and re-enter calibration values, perform the following procedure. Go to the "Details" display by pressing the F3 key to determine which calibration values have been lost.



The three types of calibration values that can be lost are the:

- block sensor values
- power amplifier values
- electronics values

In the example above the Block Sensor values have been lost. Once you have determined which values have been lost, you will need the serial number of both the top module and the bottom module. The top module serial can be obtained by pulling the yellow plastic lever in the back of the machine out to 90 degrees. The lever will pull out to 45 degrees easily, and then you need to pull it the rest of the way. This will allow the top to slide forward about  $\frac{1}{2}$  an inch. You then will flip the top module upside down and the serial number will be on the underside of the top module.

GeneAmp® 9700s with a serial number starting at xxxS905xxxxx for the top module or 805S905xxxxx for the base have the calibration values on the instrument. They can be found with the serial numbers. You should write down these values, which contain a slope and offset, before putting the instrument back together. These values will be used with the following instructions.

If the values on the calibration sticker are expressed in exponential form (ex. 2.075410e-4), convert them to decimal numbers to enter into the instrument.

(ex. 2.075410e-4 = .0002075410)



When entering calibration values, the instrument is limited to 7 characters. If your calibration value has more than 7 digits, enter only the first seven.

For customers in the United States and Canada, please send and email to technical support at <u>http://faqs.appliedbiosystems.com</u>. Please include in the email:

- a. the serial number of the machine
- b. your name
- c. phone number
- d. fax number
- e. email address
- f. your address

Once this information is received, your calibration values will be resent to you via e-mail or Fax.

For Non- US and Canadian customers, please contact your local support group. You may find the contact info at:

http://www.appliedbiosystems.com/support/contact/internationalsupport.cfm.

Once the calibration values have been obtained, continue with the following pages for directions on entering the calibration values.





## Entering Block Sensor Calibration Values on the GeneAmp® PCR System 9700



	Block Sensor Calibration					
Enter the new calibration values. When complete, Press F1(Accept). Press F5(Exit) <b>four</b> times to return to the main menu.	Resist 1098.319 <u>Accept</u> F1	Temp°C 30.720 Calib F2	Slope +x.xxxxx +7- D F3	Offset x -xxx.xxxx <u>efalt [Cance]</u> F4 F5		

## **Entering Electronics Calibration Values for the GeneAmp® PCR System 9700**

	08:00 A	M	09/25/00		25.0°C		
		Jene Amp	D PCR Sys	tem 9700			
Press F4(Util)		2012 (2012) (2012) 	Version				
	Name	Name: TC001 User: < <ab>&gt;</ab>					
	Run	Create	Edit	Util	User		
	F1	F2	F3	F4	F5		
	3	Utili	ties	V			
$\mathbf{D}_{\mathrm{max}} = \mathbf{E} \mathbf{I} (\mathbf{D}_{\mathrm{max}})$	Diag	- Instr	ument dias	mostics			
Press F1(Diag)	TmCal	lc - Calc	ulates melf	ing temp			
	Config	- Instr	ument cont	figuration	(Trust)		
	F1	F2	F3	F4	F5		
	П			• •			
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Hold down the	II.	Dia	gnostics		-		
Stop key and press	Hard - Hardware Diagnostics System - System Performance Tests						
F3(TempVer)	TempVe	r - Tempe	rature Veri	fication			
· · · ·	Upgrad	Upgrad Firmware Upgrade					
	Hard	System	TempVer	Upgrad	Exit		
	F1	F2	F3	F4	F5		
			Π				
	<u>г</u>	C	<u></u>	_			
Press the down arrow	Service I	Info Bl	ck Param	s s Final To	est		
key twice to highlight	Base Ser	ial# Ma	anual Ctrl	Manual	TEC		
Calibrations, then	Calibrat:	ions Po	ort Mode	Other D	lags		
press F1(Run).	Run	71VI 218	бшту	Log	Exit		
	F1	F2	F3	F4	F5		
	Π						
Select F1(Elect)	Calibrations Elect Electronics calibration						
	Block - Block Sensor calibration						
	PwrAmp - Power Amplifier calibration						
	Print	- Pri	nt the Base	calibration	n Evit		
	Electi E1	DIOCK	F WIAM		EXIL		
		F2	13	F4	C1		
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Enter the new		Offset			
When complete, Press	Block	1103.124	+x.xxxxxx	+xxxx.xxx +x.xxxe-xx +x.xxxe-xx	
F1(Accept). Press	Cover	2070.292	+x.xxxe-xx +x.xxxe-xx		
return to the main	Accept	Calib	TT- D	efalt Cancel	
menu.	FI	F2	F3	F4 F5	

## Entering Power Amplifier Calibration Values on the GeneAmp® PCR System 9700





Enter the new	Iset	Imeas	+Set	+1.143e+02	+2.0	178s+03
calibration values.	+10	+10.3	-Set	+1.029e+02	: +2.U	)/le+03
When complete, Press	+5	5.2	OSet	+1.097e+02	2 +2.0	193e+03
F1(Accept) Press	-5	-5.0				2053: 25
$F_{5}(E_{xit})$ four times to	-10	-9.7				Ver B
return to the main menu	Accep	đ Ma	ore	[+/-] [De	falt	Cancel
	F1	- F2	2	F3 F	4	F5

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