

TIME MACHINE II – DELIVERS INSTANT CUSTOMIZED OSCILLATOR SAMPLES



The **Time Machine II™** is a portable programmer for MEMS oscillators. This programmer instantly customizes MEMS oscillators enabling engineers to accelerate design time and optimize system performance.

“Legacy quartz oscillators cannot be customized easily; samples are delivered after 15 to 20 weeks and the payment of an NRE fee,” said Piyush Sevalia, executive vice president of marketing at SiTime.

“With SiTime’s Time Machine II programmer, designers can instantly program SiTime’s MEMS oscillators to get exactly what they need, when they need it. Designers can now dramatically accelerate their development and use unique programmable features to improve system performance. This is another example of how SiTime’s innovation is transforming the \$5 billion timing industry.

“With the Time Machine II programmer, engineers can configure the frequency, voltage, stability, and special features of MEMS oscillators. Features such as spread spectrum and adjustable rise and fall times are extremely useful to designers in the last stages of their development, as they help to improve EMI performance without lengthy board changes.

FEATURES/ADVANTAGES

The Time Machine II MEMS oscillator programmer delivers the following features and benefits:

- » Complete solution for best out-of-box experience
- » Smallest (70 mm diameter) programmer can be used in any lab or office environment
- » Add-on socket cards support all popular QFN and SOT23 oscillator packages
- » Blank field programmable oscillator starter packs included
- » One click programming software
- » USB powered, eliminates need for external power supply
- » Tutorial available on SiTime WEB-Page
- » Hardware upgradable for future products
- » Auto software update

SiT6100DK Software



KIT CONTENTS/DELIVERY

- » SiT6100DK MEMS oscillator programmer & installation software (USB drive)
- » 3 socket cards, USB cable, tweezers
- » Sample field programmable device packs
- » For support you'll find 2 video tutorials below:
http://www.sitime.com/support/time-machine-oscillator-programmer#magictabs_M82U8_5

For more support and information please contact us!

TIME MACHINE II – SOFTWARE

When creating the oscillator specification the unique part number will be generated simultaneously and the program history is recorded by the software.

From	To	Operation	Operation Result	Tracking ID	PartNumber
Select a date 15	Select a date 15	All	All	All	
DateTime	Operation	Operation Result	TrackingID	Part No.	
6/26/2014 4:15:06 PM	Program	Pass	Tracking ID was not set.	SiT8920AM-23-33E-29.997000	
6/26/2014 4:14:28 PM	Verify	Pass	Tracking ID was not set.	SiT8920AM-23-33E-29.997000	
6/26/2014 4:14:26 PM	Program	Pass	Tracking ID was not set.	SiT8920AM-23-33E-29.997000	
6/26/2014 4:13:14 PM	Verify	Pass	Tracking ID was not set.	SiT8920AM-23-33E-29.997000	
6/26/2014 4:13:13 PM	Program	Pass	Tracking ID was not set.	SiT8920AM-23-33E-29.997000	
6/26/2014 4:12:53 PM	Verify	Pass	Tracking ID was not set.	SiT8920AM-23-33E-29.997000	