Programmer for PureSilicon™ Oscillators

FEATURES:

- Small dongle interfaces thru USB to PC
- Automatic software upgrades via Internet
- Field Programmable Dongle for
 - ASxM series 1st generation MEMS CMOS output
 - ASxMB series 2nd generation MEMS CMOS output
 - ASxMPC series Low Jitter MEMS CMOS output
- ASxMPLP series Low Jitter MEMS LVPECL output
- ASxMPLV series Low Jitter MEMS LVDS output
- ASxMPHC series Low Jitter MEMS HCSL output
- Socket Adapter cards supports:
- 2.5 x 2.0 x 0.85 mm (Available for 1st and 2nd generation CMOS only)
- 3.2 x 2.5 x 0.85 mm (Available for Low litter, 1st and 2nd generation MFM)
- 5.0 x 3.2 x 0.85 mm(Available for Low Jitter, 1st and 2nd generation MEMS)
- 7.0 x 5.0 x 0.85 mm(Available for Low Jitter, 1st and 2nd generation MEMS)



MEMSPEED PRO IIT

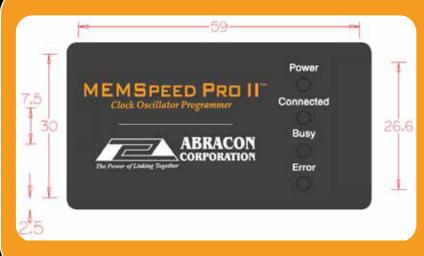
Clock Oscillator Programmer

The MEMSpeed Pro II programmer allows users to instantly program Abracon MEMS oscillators to a custom frequency in seconds through a Microsoft Windows GUI program on a PC. Abracon MEMSpeed Pro II supports CMOS, LVPECL, LVDS, and HCSL output MEMS oscillators in variety of package sizes. The oscillators can be programmed over their respective frequency range in increments of 100Hz (up to four decimal point resolution).

The MEMSpeed Pro II kit includes a programming dongle, USB cable, antistatic tweezers and USB flash drive with a Windows based PC installation program. The MEMSpeed Pro II is used with device dependent socket adapter cards and the appropriate package devices. (* Additional Socket Adapter is required for ASxM BLANK MEMS oscillators. Please contact Abracon for details.)

Abracon MEMSpeed Pro II offers quick turn drop-in solutions to traditional quartz crystal oscillators.



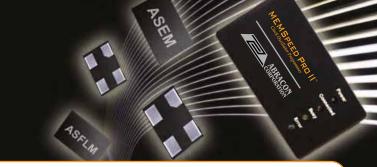




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MEMSPEED PR□ II[™] Clock Oscillator Programmer



MEMSPEEDPRO II SPECIFICATIONS

Programmer Power Supply	Supplied thru USB cable (micro USB to USB A)
Oscillator Operating Supply Voltage	1.8 to 3.6V
Programming Time	2 seconds
Operating System Supported	MS Windows, XP: 32bit version
	Vista, and Windows 7: 32 or 64 bit
Programmer Size	2.50" x 1.25" x 0.50"
Programmer Weight	0.2 lb

Socket Adapter Kits

Socket Adapter Nits		
ABRACON PART #	KIT CONTENTS	
	Kit includes 4 pin 7.0x5.0mm socket adapter and 50 unprogrammed 7.0X5.0mm	
ASVM- ADAPTER-KIT *	ASVM oscillators with ±25ppm over -40 to +85°C	
	Kit includes 4 pin 5.0x3.2mm socket adapter and 50 unprogrammed 5.0X3.2mm	
ASFLM- ADAPTER-KIT *	ASFLM oscillators with ±25ppm over -40 to +85°C	
	Kit includes 4 pin 3.2x2.5mm socket adapter and 50 unprogrammed 3.2X2.5mm	
ASEM- ADAPTER-KIT *	ASEM oscillators with ±25ppm over -40 to +85°C	
	Kit includes 4 pin 2.5x2.0mm socket adapter and 50 unprogrammed 2.5X2.0mm	
ASDM- ADAPTER-KIT *	ASDM oscillators with ±25ppm over -40 to +85°C	
	Kit includes 4 pin 7.0x5.0mm socket adapter and 50 unprogrammed 7.0X5.0mm	
ASVMB-ADAPTER-KIT	ASVMB oscillators with ±25ppm over -40 to +85°C	
	Kit includes 4 pin 5.0x3.2mm socket adapter and 50 unprogrammed 5.0X3.2mm	
ASFLMB- ADAPTER-KIT	ASFLMB oscillators with ±25ppm over -40 to +85°C	
	Kit includes 4 pin 3.2x2.5mm socket adapter and 50 unprogrammed 3.2X2.5mm	
ASEMB- ADAPTER-KIT	ASEMB oscillators with ±25ppm over -40 to +85°C	
	Kit includes 4 pin 2.5x2.0mm socket adapter and 50 unprogrammed 2.5X2.0mm	
ASDMB- ADAPTER-KIT	ASDMB oscillators with ±25ppm over -40 to +85°	
	Kit includes 6 pin 7.0x5.0mm socket adapter and 5 unprogrammed 7.0X5.0mm	
ASVMPC- ADAPTER-KIT	ASVMPC oscillators with ±25ppm over -40 to +85°C	
	Kit includes 6pin 5.0x3.2mm socket adapter and 5 unprogrammed 5.0X3.2mm	
ASFLMPC- ADAPTER-KIT	ASFLMPC oscillators with ±25ppm over -40 to +85°C	
	Kit includes 6 pin 3.2x2.5mm socket adapter and 5 unprogrammed 3.2X2.5mm	
ASEMPC- ADAPTER-KIT	ASEMPC oscillators with ±25ppm over -40 to +85°C	
	Kit includes 6 pin 7.0x5.0mm socket adapter and 5 unprogrammed 7.0X5.0mm	
ASVMPLP- ADAPTER-KIT	ASVMPLP LVPECL oscillators with ±25ppm over -40 to +85°C	
	Kit includes 6pin 5.0x3.2mm socket adapter and 5 unprogrammed 5.0X3.2mm	
ASFLMPLP- ADAPTER-KIT	ASFLMPLP LVPECL oscillators with ±25ppm over -40 to +85°C	
ACENDED ADAPTED ME	Kit includes 6 pin 3.2x2.5mm socket adapter and 5 unprogrammed 3.2X2.5mm	
ASEMPLP- ADAPTER-KIT	ASEMPLP LVPECL oscillators with +25ppm over -40 to +85°C	
ASSMEDIAL ABABTER (CT	Kit includes 6 pin 7.0x5.0mm socket adapter and 5 unprogrammed 7.0X5.0mm	
ASVMPLV- ADAPTER-KIT	ASVMPLV LVDS oscillators with ±25ppm over -40 to 85°C	
ACELANDLY ADADTED KIT	Kit includes 6pin 5.0x3.2mm socket adapter and 5 unprogrammed 5.0x3.2mm	
ASFLMPLV- ADAPTER-KIT	ASFLMPLV LVDS oscillators with ±25ppm over -40 to +85°C	
ACEARDLY ADADTED KIT	Kit includes 6 pin 3.2x2.5mm socket adapterand 5 unprogrammed 3.2X2.5mm	
ASEMPLV- ADAPTER-KIT	ASEMPLV LVDS oscillators with +25ppm over -40 to +85°C	
ACVARDUC ADADTED MIT	Kit includes 6 pin 7.0x5.0mm socket adapter and 5 unprogrammed 7.0X5.0mm	
ASVMPHC- ADAPTER-KIT	ASVMPHC HCSL oscillators with ±25ppm over -40 to +85°C	
ASELANDIC ADADTED VIT	Kit includes 6pin 5.0x3.2mm socket adapter and 5 unprogrammed 5.0x3.2mm	
ASFLMPHC- ADAPTER-KIT	ASFLMPHC HCSL oscillators with ±25ppm over -40 to +85°C	
ASEMBHC ADADTED VIT	Kit includes 6 pin 3.2x2.5mm socket adapter and 5 unprogrammed 3.2X2.5mm	
ASEMPHC- ADAPTER-KIT	ASEMPHC HCSL oscillators with +25ppm over -40 to +85°C	

^{*} The Socket Adapters for MEMSpeed Pro II are used for 1st generation ASxM BLANK MEMS oscillators. Please contact Abracon for details.

Ordering Information

ABRACON PART #	KIT CONTENTS
MEMSpeed Pro II	Kit includes MEMSPEED II programmer, USB cable, tweezers, Quick Start guide and Installation USB Flash drive

For programming of devices, a MEMSpeed Pro II programmer and an appropriate adapter card kit are required.

