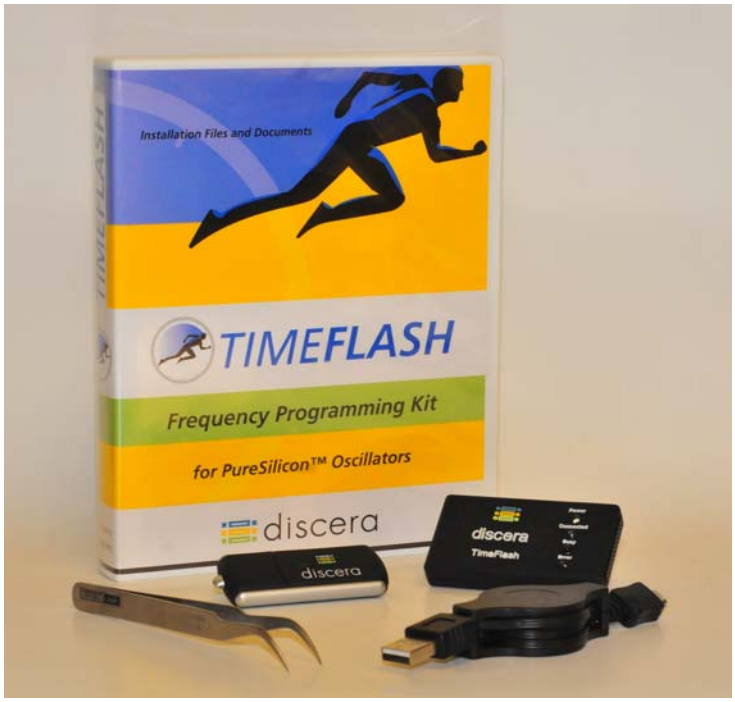
## General Description

The TimeFlash programmer allows users to rapidly program, through a Microsoft Windows GUI program on a PC, any DSC8XXX Programmable MEMS oscillator to a custom frequency in seconds. Timeflash supports the field programmable versions of the DSC10XX Standard CMOS and the DSC11XX Performance oscillators. The oscillators can be programmed over their respective frequency range in increments of 100Hz.

The TimeFlash programming kit includes a programming dongle, USB cable, antistatic tweezers and USB flash drive with a Windows based PC installation program. The TimeFlash is used with device dependent socket adapter cards and the appropriate DSC8XXX devices.

Available in industry standard packages, the DSC8XXX can be "dropped-in" to the same PCB footprint as standard crystal oscillators.




## Features

- Small dongle interfaces through USB to PC
- Automatic software upgrades via Internet
- Field Programmable Dongle for
  - DSC8001 – Standard CMOS
  - DSC8002 – Standard CMOS
  - DSC8101 – Performance CMOS
  - DSC8102 – Performance LVPECL
  - DSC8103 – Performance LVDS
  - DSC8104 – Performance HCSL
  - DSC8121 - Performance CMOS
  - DSC8122 – Performance LVPECL
  - DSC8123 – Performance LVDS
  - DSC8124 – Performance HCSL
- Socket Adapter Cards Support:
  - 2.5 x 2.0 x 0.85 mm
  - 3.2 x 2.5 x 0.85 mm
  - 5.0 x 3.2 x 0.85 mm
  - 7.0 x 5.0 x 0.85 mm




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## TimeFlash Specifications

| | |
|---|---|
| Programmer Power Supply | Supplied thru USB Cable ( micro USB to USB A) |
| Oscillator Operating Supply Voltage | 1.8 v -3.6 v |
| Programming Time | 2 Seconds |
| Operating System Supported | MS Windows (XP, Vista & Windows 7) 32 or 64 bit compatible |
| Programmer Size | 2 1/2" X 1 1/4" X 1/2" |
| Programmer Weight | 0.2 lb |

## Socket Adapter Kits

| Item | Description |
|---|---|
| DSC-PROG-8001-2520 | Kit includes 2.5x2.0mm socket adapter & **50** blank DSC8001DI2 oscillators at 25ppm/-40C to +85 C |
| DSC-PROG-8001-3225 | Kit includes 3.2x2.5mm socket adapter & **50** blank DSC8001CI2 oscillators at 25ppm/-40C to +85 C |
| DSC-PROG-8001-5032 | Kit includes 5.0x3.2mm socket adapter & **50** blank DSC8001BI2 oscillators at 25ppm/-40C to +85 C |
| DSC-PROG-8001-7050 | Kit includes 7.0x5.0mm socket adapter & **50** blank DSC8001AI2 oscillators at 25ppm/-40C to +85 C |
| DSC-PROG-8002-2520 | Kit includes 2.5x2.0mm socket adapter & **50** blank DSC8002DI2 oscillators at 25ppm/-40C to +85 C |
| DSC-PROG-8002-3225 | Kit includes 3.2x2.5mm socket adapter & **50** blank DSC8002CI2 oscillators at 25ppm/-40C to +85 C |
| DSC-PROG-8002-5032 | Kit includes 5.0x3.2mm socket adapter & **50** blank DSC8002BI2 oscillators at 25ppm/-40C to +85 C |
| DSC-PROG-8002-7050 | Kit includes 7.0x5.0mm socket adapter & **50** blank DSC8002AI2 oscillators at 25ppm/-40C to +85 C |
| DSC-PROG-81x1-2520 | Kit includes 2.5x2.0mm socket adapter & **5** blank DSC81x1DI2 (Standby or Enable High CMOS at 25ppm/-40C to +85 C) |
| DSC-PROG-81x1-3225 | Kit includes 3.2x2.5mm socket adapter & **5** blank DSC81x1CI2 (Standby or Enable High CMOS at 25ppm/-40C to +85 C) |
| DSC-PROG-81x1-5032 | Kit includes 5.0x3.2mm socket adapter & **5** blank DSC81x1BI2 (Standby or Enable High CMOS at 25ppm/-40C to +85 C) |
| DSC-PROG-81x1-7050 | Kit includes 7.0x5.0mm socket adapter & **5** blank DSC81x1AI2 (Standby or Enable High CMOS at 25ppm/-40C to +85 C) |
| DSC-PROG-81x2-2520 | Kit includes 2.5x2.0mm socket adapter & **5** blank DSC81x2DI2 (Standby or Enable High LVPECL at 25ppm/-40C to +85 C) |
| DSC-PROG-81x2-3225 | Kit includes 3.2x2.5mm socket adapter & **5** blank DSC81x2CI2 (Standby or Enable High LVPECL at 25ppm/-40C to +85 C) |
| DSC-PROG-81x2-5032 | Kit includes 5.0x3.2mm socket adapter & **5** blank DSC81x2BI2 (Standby or Enable High LVPECL at 25ppm/-40C to +85 C) |
| DSC-PROG-81x2-7050 | Kit includes 7.0x5.0mm socket adapter & **5** blank DSC81x2AI2 (Standby or Enable High LVPECL at 25ppm/-40C to +85 C) |
| DSC-PROG-81x3-2520 | Kit includes 2.5x2.0mm socket adapter & **5** blank DSC81x3DI2 (Standby or Enable High LVDS at 25ppm/-40C to +85 C) |
| DSC-PROG-81x3-3225 | Kit includes 3.2x2.5mm socket adapter & **5** blank DSC81x3CI2 (Standby or Enable High LVDS at 25ppm/-40C to +85 C) |
| DSC-PROG-81x3-5032 | Kit includes 5.0x3.2mm socket adapter & **5** blank DSC81x3BI2 (Standby or Enable High LVDS at 25ppm/-40C to +85 C) |
| DSC-PROG-81x3-7050 | Kit includes 7.0x5.0mm socket adapter & **5** blank DSC81x3AI2 (Standby or Enable High LVDS at 25ppm/-40C to +85 C) |

## Ordering Information

| PART # | KIT CONTENTS |
|---|---|
| **DSC-Prog-TimeFlash** | **Kit includes TimeFlash programmer, USB cable, tweezers, Quick Start guide & Installation USB Flash drive** |

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

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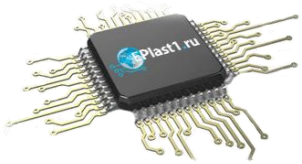
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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.




**Как с нами связаться**

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