

Programmable Clock Oscillators

Simple user interface, no programming skills required.

Less than 2 sec. Programming time.

Point and Click click verification.



Downloaded from **Elcodis.com** electronic components distributor



This is a photo of the programmer without the PC



Overview

⇒ ECS's "New" in house programming center began shipping a series of four separate packaged "Twice Programmable" clock oscillators in the fall of 2001. Please see specification details on our web site.
 ⇒ Understanding the need that our OEM design center customers have for "quick delivery" for new designs, ECS will program in-house or direct you to an existing programming center so that your designs can be completed in house in the shortest time possible.
 ⇒ This product can be programmed at 3.3 Volts or 5.0 Volt. It is also available in an extended temperature range (-40~+85C) and meets jitter from 100ps~250ps depending on the package type.
 ⇒ Product is programmed within "Seconds". Designed to minimize jitter and phase noise.
 ⇒ Frequency range is from 1.000~150.00Mhz depending on the package type.
 ⇒ Cost Effective



Product Features

The operator is preparing to seal the ECS-P73/75 Series of Programmable Clocks



All of the following products are "twice programmable" and will operate from 40-+85C

- ECS-P53/55: 3.2x5mm SMD package, Twice Programmable, 3.3 Volt/5.0 Volt, 1.-125 MHz, CMOS/TTL outputs, Fast Rise and Fall times.
- ECS-P73/P75: 5X7mm SMD package, Twice Programmable, 3.3 Volt/5.0Volt, 1-150 MHz, CMOS/TTL outputs, Fast Rise and Fall times.
- ECS-P83/P85: 8 Pin Dip Through-Hole package, Twice Programmable, 3.3 Volt/5.0 Volt, 1-150 MHz, CMOS/TTL outputs, Fast Rise and Fall times.
- ECS-P143/P145: 14 Pin Dip Through-Hole package, Twice Programmable, 3.3 Volt/5.0 Volt, 1-150 MHz, CMOS/TTL outputs, Fast Rise and Fall times.

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2



This is a photo of the production facility in Korea where the UPO's are produced.



Customer Programming

- ECS is "strongly encouraging" our customers to set up their own "Programming Centers" so you generate the clock frequency that you need within seconds to complete your design. *Please contact your sales representative for price and details.*
- Section ECS furnishes the programmer and the UPO (Un-Programmed Oscillator) in the four packages offered.
- The appropriate fixtures (2) for the surface mount packaged product and instructions for operation.
- ♦ Standard serial port connection to a Windows based PC running 98SE or NT software.
- This programmer will be up-gradable to program TCXO's and VCXO's in the very near future.

(PC and Windows software supplied by Customer)
(The system is fully upgradable for future VCXO and TCXO programming needs)

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