



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# Field Oscillator Programming Instrument

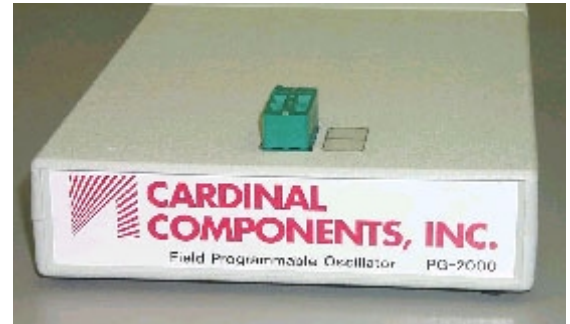
Series **PG-2000**

- *Programming instrument to create oscillators, at a user specified frequency, within seconds **IN THE FIELD***
- *No programming skills needed to create finished oscillators from sealed oscillator blanks*
- *Programmable CMOS or TTL oscillator outputs*
- *Programmable output enable and power-down feature*
- *Programmable asynchronous or synchronous output enable*
- *Programmable for 3.3V or 5.0V oscillator operation*
- *Microsoft Windows compatible software*

**Instrument Part Number: PG-2000**

## Specifications:

<b>Frequency Range:</b>	1.000 MHz to 133.000 MHz
<b>Acceptable Oscillator Packages:</b>	Style 1 Full-Size 14 Pin DIP Style 4 Half-Size 8 Pin DIP SMD
<b>Oscillator Programming Options:</b>	Output Enable Function Power Down Operation TTL or CMOS Output Instantaneous Asynchronous/ Synchronous Enable/Power Down Selectable Input Voltage (3.3, 5.0V) Ability to reprogram oscillator blank to reuse the same part for two separate applications with different frequency and/or different output characteristics
<b>Transformer</b>	AC, Supplied. UL 996C / 820A0063
Input:	100 - 250 VAC 60 Hz 20 W
Output:	16 VAC 750 mA
<b>Instrument Size:</b>	6.5" x 10.5" x 2.5"
<b>Oscillator Blank Part Numbers:</b>	see Cardinal CPP series
<b>Required Additional Equipment:</b>	IEEE-488 Instrument Control Card (HP 82341D or eq.) IEEE-488 Instrument Control Cable (HP 10833B, or eq) Frequency Counter (HP 53131 or eq) Computer w/ Microsoft Windows 95,98,NT or Windows 2000



# Stand-Alone Field Oscillator Programming Instrument

Series **PG-2000P**

- *Programming instrument to create oscillators, at a user specified frequency, within seconds **IN THE FIELD***
- *No programming skills needed to create finished oscillators from sealed oscillator blanks*
- *Designed for low-volume program applications such as engineering, field sales, and sample quantity*
- *Internal frequency reference for single step programming*
- *Simple User Interface*
- *Cardinal 4-pin oscillators are easily inserted into a ZIF socket or surface mount adapter for quick programming*
- *Oscillator characteristics are selected via keypad and 4-line LCD display*

**Instrument Part Number: PG-2000P**

## Specifications:

<b>Frequency Range:</b>	1.000 MHz to 133.000 MHz
<b>Acceptable Oscillator Packages:</b>	Style 1 Full-Size 14 Pin DIP Style 4 Half-Size 8 Pin DIP SMD (With Optional SC-2000 Adapter)
<b>Programmable Voltage Range:</b>	3.3, 5.0 V
<b>User Interface:</b>	4 Line LCD frequency control parameters usage instructions helpful error messages Keypad ZIF Socket
<b>Design Specifications:</b>	For use with 4-pin oscillators
<b>Oscillator Programming Options:</b>	control pin functionality outputs electrical characteristics Ability to reprogram oscillator blank to correct errors or to reuse the same part for two sperate applications with different frequency and/or different output characteristics
<b>Switching Power Supply</b>	Equipped with Universal AC pwr supply UL 1950
<b>Input:</b>	100 - 250 VAC 50/60 Hz 0.7 – 0.35 A
<b>Output:</b>	+ 5.0 V 1.0 A +15.0 V 0.4 A - 15.0 V 0.4 A
<b>Instrument Size:</b>	10" x 4.75" x 2.65"
<b>Oscillator Blank Part Numbers:</b>	see Cardinal CPP series

