



Health Products Designed by Orchid's coordinated team of professionals.

*"Medical product design is a demanding art. We are all impressed by Orchid Technologies' commitment to design excellence."*

Bill Young, Director, Medical Products Division

## The Concept

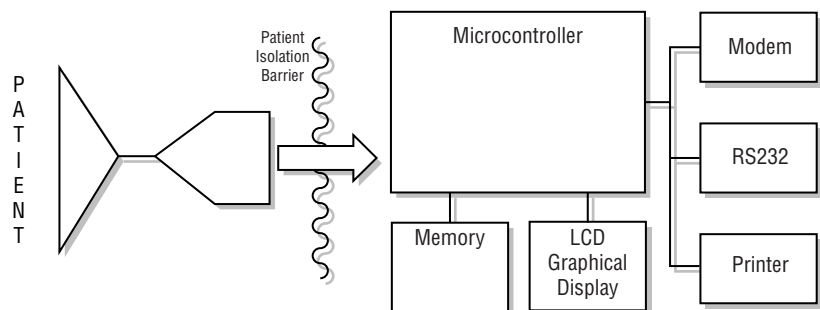
A leading manufacturer of cardiology equipment approached Orchid to provide the electronic hardware, software and mechanical product design for a new line of hand-held twelve lead ECG machines. The design goals: provide diagnostic quality ECG graphics display, in a light weight, portable, battery powered, user friendly package. Provide compatibility with existing Hewlett Packard ECG carts.

## A Coordinated Team of Professionals

Orchid assembled a professional team of mechanical, electrical and software designers. Working in concert with our client's team of medical doctors and marketing specialists, Orchid crafted a unique, feature-rich product design.

## The Architecture

Patient safety is of paramount concern when designing medical devices which contact the patient. Strict testing and design documentation are major elements of the engineering process.



## The Result

Twelve lead, Hewlett Packard compatible ECG traces can now be recorded at remote locations and transmitted to trauma centers for immediate analysis. Lives saved through well applied high technology.

## Orchid Technologies Engineering & Consulting, Inc.

Orchid can be your life saver too. To start a new design or rescue an old one, call Orchid today.



**ORCHID TECHNOLOGIES  
ENGINEERING & CONSULTING INC.**

**Custom Engineering From Concept to Production**

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