Cost-effective power testing

Quarch Programmable Power Modules

Cost savings at a glance

- Save on purchase price—Quarch Programmable Power Modules (PPMs) cost a fraction of the price of the traditional scope-plus-probes set-up.
- Save on valuable engineer time—use the PPM's simple automation features to speed up testing and run unattended or overnight tests.
- Avoid costly changes in the later stages of product development—with easy access to reliable, comprehensive test data, resolve potential problems quickly and easily in the design phase.

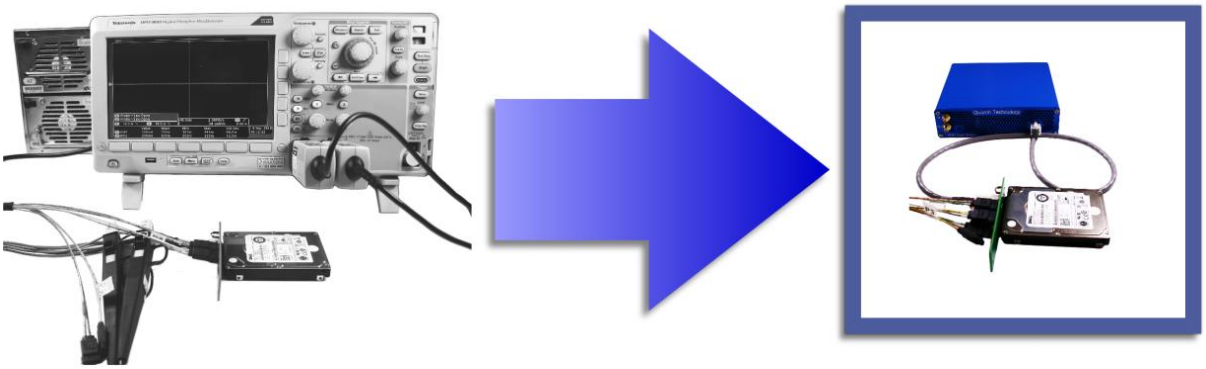
More efficient testing at a much lower cost

Full power testing using traditional methods normally requires multiple pieces of separate equipment, making it costly as well as difficult to set up.

Integrated power solutions are rarely designed for storage devices and compromises often have to be made, reducing the benefits of the expensive equipment.

Fixturing on this equipment is often complex, and requires custom adaptors and cabling.

A single Quarch PPM can replace a dual output power supply, oscilloscope and two current probes—and costs a fraction of the price of the traditional set-up.[1] The PPM is purpose-built for power testing. It's quick and easy to set up, can be connected to a huge variety of drives using Quarch fixtures and adaptors, and gives you easy access to your data.



Expand your power-testing capabilities and get your new products to market faster—the low cost of Quarch PPMs means you can **purchase multiple units for the same price as a single traditional test set-up**.

Simple automation, saving engineer time

Simple automated testing with Quarch PPMs makes running unattended or overnight tests easy, saving you time and effort, and leaving your engineers free to focus on designing the next generation of your products:

- Save on set-up time
- Run unattended/overnight tests
- Get accurate results faster
- Cut development times.

[1] A standard mid-range oscilloscope, with current probes commonly-used throughout the industry, can be up to three times the cost of a Quarch XLC PPM. Source: Scope v Quarch PPMs.

Tech tip: Compare the performance of up to six devices simultaneously with the multi-port, rack-mounted HD PPM.

Find out how easy it is to automate your testing.

Find problems earlier

Getting access to power data can be difficult, with scopes and current probes in limited supply and the complex set-up limiting access to a small number of engineers.

Using a Quarch PPM gives you easy access to both graphical traces and raw data, so you can solve potential problems earlier in your design and testing processes.

The potential for cost saving here is highly significant—a study available from the NASA Technical Reports Server[2] clearly demonstrates that the cost of correcting problems escalates *exponentially* as a project progresses. **Finding faults early saves huge amounts of money**.

By giving you easy access to reliable power data, PPMs help you solve problems early in the design phase, avoiding the exponentially-increasing costs of doing so later in later development stages.

PPM technical specifications

- Summary technical specification (all PPMs)
- XLC PPM
- HD PPM

[2] *Error Cost Escalation Through the Project Life Cycle,* Source: NASA Technical Reports Server

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Depending on your requirements, we can normally supply you with free evaluation kit for a short period of time. To apply, or to arrange a quote, email sales@quarch.com or contact one of our skilled regional resellers.

Need more information?

- Get in touch with us for answers to your questions
- Find out about support available from our website
- Download more information from the list below.

Downloads

Key features of PPMs

Comprehensive power-testing with Quarch PPMs

Simple set-up & maximum flexibility—using your PPM

Programmable Power Module Vs Scope