

QUICK CHARGER TEST OPTION FOR DC LOADS

- Direct Support for Mobile Devices Fast Chargers
- Support for Charger Output Voltages from 5.0Vdc to 20.0 Vdc
- Support for Multiple Fast Charging Protocols:
 - MediaTek PumpExpress
 - MediaTek PumpExpress+
 - MediaTek PumpExpress+ 2.0
 - Qualcomm Quick Charge 2.0
 - Qualcomm Quick Charge 3.0
 - USB PD2.0
- Sockets for direct connection to Micro-USB and USB-C chargers provided
- Supports USB Power Delivery (PD)
- Compatible with 4-Series modular DC loads



Option QCT - Quick Charger Tester

Overview

The ADAPTIVE POWER SYSTEMS Quick Charger Tester option (Opt QCT) is a single channel, quick charge controller to meet the needs of R & D development, testing and verification of modern fast chargers for mobile devices using a variety of charging protocols. The QCT controller can simulate fast charge protocol signals for mobile phones, tablets and notebook computers for a wide variety of fast charging devices to support rapid testing and verification of the device charger.

Compatible with 4-Series Modular DC Loads

The QCT plug-in option is compatible with all 4-Series single channel modular DC loads. The charger controller option plug into the DC loads load input terminals and provided Micro-USB and USB-C connectors for direct connection of the Charger under test. Other USB charger connector types can be accommodated by using specific adapter cables such as USB Type A to Micro USB or USB Type A to USB Type C. These cables can be plugged in to the Quick Charger Controller's Micro USB or USB Type C ports.

Typical applications include:

- Testing of real world battery charge cycles for smart phones and laptops
- Charge protocol compliance verification

Intuitive Front Panel Controls

Test configuration settings and charge protocol selections can be made easily using the QCT front panel buttons, MODE, UP and DOWN. The START button is used to initiate a programmed test sequence.

Quick Charger Test Option

Technical Specifications

Parameter	Specification
Electrical	
No. of Channels	One
Charge Voltages	3.3 ~ 20.0 Vdc
Protocol Support	QC2.0, QC3.0, PE+, PE+2.0, USB PD2.0
EUT Connectors	Micro USB, USB Type C
Input Power	
Micro-USB Charger	5Vdc, 150 mA
AC Power Option ¹	D-Sub 9 pin connects to optional QCT Power Connector on Load mainframe ¹
Dimensions & Weight	
W x H x D:	87 x 113 x 44.8 mm 3.43" x 4.45" x 1.76"
Weight:	200 grams / 0.44 lbs

Note 1: QCT Power Connector must be ordered with 44M0x Mainframe or retrofitted by customer service.



Adapter Cable Kit

Ordering Information

APS P/N	Description
OPT QCT	Quick Charger Test Option

Compatibility Table:

MODEL SERIES	Description
4 Series	Compatible with 41L, 42L and 41D Modular Loads. Adapter Cable kit included for use with 42L and 41D loads.
5 Series	Adapter Cable kit included for use with 5-Series loads.



QCT Option - Front, Back, Top, Bottom Views

NEED HELP?

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Service and Support

Adaptive Power Systems' customer support is second to none. Our Customer Support Program provides the training, repair, calibration, and technical support services that our customers value. So, in addition to receiving the right test equipment, our customers can also count on excellent support before, during and after the sale. With company owned support and service centers around the world, support is never far away.

Complete calibration and repair services are offered at our US, European and Chinese manufacturing facilities (see contact info below). Calibrations are to original factory specifications and are traceable to NIST (National Institute of Standards and Technology).

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