

USB-C External Power Test Unit

for testing extended V_{BUS} voltages in
USB Type-C™ sinks and sources



Test Full USB-C V_{BUS} Range

With the help of Unigraf UCD-340 USB-C DP Alt Mode Tester and External Power Test Unit you can test the full range of USB-C V_{BUS} voltages from 5 V to 20 V. DUT current sink and source capability can be tested all the way up to 20 V / 5 A.

For R&D and Test Automation

UCD-340 Power Delivery Options (PDO) can be set and monitored either from UCD Console GUI or the high level SW API called TSI. This provides you flexible options for verifying DUT capabilities and performance either on R&D desktop or through automated test routines for regression testing or production line functional testing.

Highlights

- Accessory to Unigraf UCD-340
- Enables testing of USB-C V_{BUS} voltages from 9 V to 20 V
- Current sink and source up to 20 V / 5 A
- Controlled either from GUI or SW API

USB-C External Power Test Unit

for testing extended VBUS voltages in USB Type-C™ sinks and sources



UCD Console GUI

The UCD-340 graphical user interface for R&D debugging is called UCD Console. It provides the user a flexible way of navigating between the interface based Roles of the device and the functionalities of each Role.

UCD Console features preview windows for the received video and audio, monitoring and controls for the USB-C connection parameters, DP link parameters and an EDID editor. UCD Console also provides the status and control of HDCP function.

High Level Test Functions

Unigraf high level test software interface TSI (Test System Interface) provides a system integrator a set of reliable and short cycle time interface specific tests. TSI Test Cases readily implement the low level procedures needed for verifying the various functions of the tested interface and the required software integration is minimal.

Specifications

VBUS voltage range	5 V to 20 V; sink and source
VBUS current range	0.5 A to 5 A; sink and source
Power Input	100 to 240 V AC, 50 / 60 Hz 2.5 A max
Module Size	220×170×92 mm
Weight	2.45 kg

VBUS power sink and source capability	5 V				9 V	12 V	15 V	20 V
	0.5 A	0.9 A	1.5 A	3 A	3 A	3 A	3 A	5 A
UCD-340	•	•	•	•				
UCD-340 with External Power Test Unit	•	•	•	•	•	•	•	•

All specifications subject to change without notice.