

N7018A Type-C Test Controller Kit

Quick Start and Accessories Guide

Kit Contents

Type-C Test Controller



(N7018A)

USB 2.0 Cable



(8121-1242)

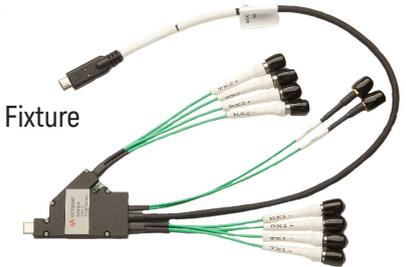
Power Supply Plug Connector



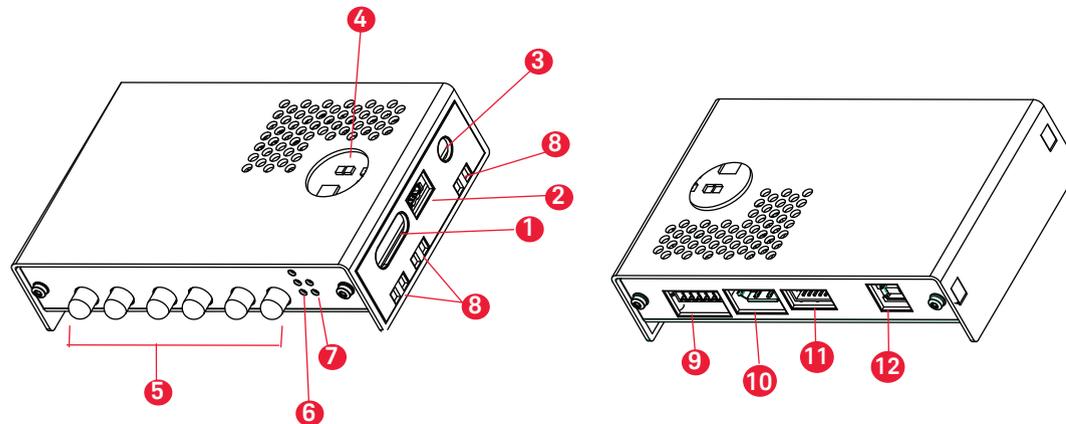
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Other Keysight Type-C Products for use with N7018A (sold separately)

N7015A Type-C High Speed Test Fixture



N7017A Type-C Receptacle Adapter



- 1 CC1 and CC2 Probe Points
- 2 Port for connecting Type-C cable from N7015A
- 3 VBUS Probe Point
- 4 SBU1 / SBU2 Probe Points
- 5 Interconnect for signalling to and from N7015A
- 6 VBUS Status Lights
- 7 CC Connection Lights
- 8 GND Probe Connection Points
- 9 External Power Source / Sink
- 10 DisplayPort Controller Interface
- 11 Thunderbolt Controller Interface
- 12 USB 2.0 Cable Connector

N7018A Type-C Test Controller Setup

Prerequisite: Download the N7018A software from <http://www.keysight.com/find/N7018A> and install it on the host computer to be used for the connection setup.

Get started with USB Type-C interface testing using your N7018A by following these simple connection steps.
For a specific compliance scenario, refer to the connection setups in the user documentation references provided below.

- 1 Connect N7018A to the host computer or Infiniium oscilloscope to power on and control N7018A



Use the supplied USB 2.0 cable

- 2 Connect N7018A to N7015A Test fixture



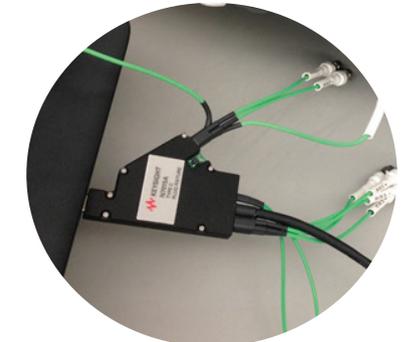
Insert the N7015A Type-C interface cable with the red dot facing up. This ensures proper signal identification.

- 3 Connect N7015A to an Infiniium Oscilloscope



Connect the 2.92 mm connectors of the N7015A fixture to channel 1 and 3 of an Infiniium oscilloscope

- 4 Connect N7015A to DUT



After completing this connection setup, use the installed N7018A software GUI to configure Power Contract and Alt Modes settings for N7018A. For full power delivery capabilities, you must connect the N7018A to an external power supply.



For More Information...



- ▶ Detailed information on the N7018A hardware and software is available in the *Keysight N7015A/6A/7A/8A Type-C Test Fixtures User Guide* at <http://www.keysight.com/find/N7018A>.
- ▶ To get detailed information on how to use N7018A in a specific compliance test setup, search for the Keysight's compliance application model number on www.keysight.com and download its *Methods of Implementation (MOI)*.

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