

Customer Self-paced E-learning Sequence for Keithley 2600 Series System SourceMeter® instruments

Overview:

This document gives the recommended sequence for customer self-paced e-learning and tooling setup that Keithley has found to be effective and efficient for training new users of the Keithley 2600 Series System SourceMeter® instruments. This includes models 2601, 2602, 2611, and 2612. Total time required: Approximately 2 hours.

Prerequisites:

1. It assumes the reader knows the measurement basics using source-measure units.
2. It assumes the reader has general knowledge of best practices for structured software programming.

Recommended training sequence:

1. Select a code development PC that is extranet Webex-accessible, and install clients.
<http://keithley.webex.com>. Click on Set Up → Meeting Manager → Set Up. Webex may not need this until later steps, but in some facilities getting outside internet connectivity can be a long lead-time item – so this gets the process started early.
2. Install TestScript Builder (TSB), and verify basic connection and operation to 2602 “are you there”. <http://www.keithley.com/products/tsbscripts/download>. Support from Keithley via Webex in the unlikely event that customer needs assistance.
3. Learn fundamentals of TSB operation:
 - a. Learn fundamentals via on-line training module:
<http://keithley.v4.breezecentral.com/p47921631>. 63 slides.
 - b. Learn intermediate usage via on-line training module "Advanced TSP™ (TestScript Processor), including Importing and Exporting files",
<http://keithley.breezecentral.com/p21025658/>. Includes managing Script files from hard drive and downloading via other software environments (like Visual Basic). 28 minutes, 24 slides.
4. If user is an existing Keithley 2400 user, and would like to understand 2400/SCPI to 2600/TestScript migration (skip this step if 2400 is NOT the reference point):
 - a. Complete on-line training module: "Basic TSP™ concepts",
<http://keithley.breezecentral.com/p64686824/>. 28 minutes, 19 slides.
 - b. Understand Keithley Apps Note #2616 <http://www.keithley.com/data?asset=50277>.

5. Review available factory-provided built-in measurement scripts, <http://keithley.acrobat.com/p24297383/> . 17 minutes, 21 slides.
6. Begin implementing test plan. Example TestScripts can be found at <http://www.keithley.com/products/tsbscripts/> . Many Applications Notes for the 2600 Series are available on www.keithley.com, and these are particularly useful for getting started:
 - IC testing, including controlling component handlers:
 - <http://www.keithley.com/data?asset=50351>
 - <http://www.keithley.com/data?asset=50278>
 - Diodes, laser diodes and LEDs:
 - <http://www.keithley.com/data?asset=50328>
 - Other discrete semiconductor component testing, and programming best practices for higher throughput:
 - <http://www.keithley.com/data?asset=50073>