

VICOM LEARNING CENTRE

eLearning Course Outline



CONTACT VICOM
Vicom Australia Pty Ltd
1064 Centre Rd
Oakleigh Sth VIC 3167
1300 360 251
info@vicom.com.au

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XYZs of Oscilloscopes

Course Number: ELC-VA-TECH-16003

Overview: This is a training course for electronics engineers and technicians who are new to using digital oscilloscopes and want to learn how to look at and analyse electronic signals. We do this in these videos using a Tektronix TBS2000 oscilloscope but the techniques you learn can be used on any digital scope.

Objective: To train electronics engineers and technicians on the basics of how to get the most out of their digital oscilloscopes.

Format: This training course consists of seven video tutorials each covering a different key aspect of using digital oscilloscopes.

Content:

- **Video 1:** ELV-VA-TECH-16006, How to set up oscilloscope probes, vertical & horizontal settings
- **Video 2:** ELV-VA-TECH-16007, How to Set Up Oscilloscope Triggering (Part 1: Edge Triggering)
- **Video 3:** ELV-VA-TECH-16008, How to Set Up Oscilloscope Triggering (Part 2: Pulse Width & Runt Triggering)
- **Video 4:** ELV-VA-TECH-16009, Basic Time and Amplitude Measurements
- **Video 5:** ELV-VA-TECH-16010, Basic Time & Amplitude Measurements Using the Tektronix Built in Automated Functions
- **Video 6:** ELV-VA-TECH-16011, How to make RMS, MEAN and AREA Measurements with the Tektronix TBS2000
- **Video 7:** ELV-VA-TECH-16012, How to Use Auto Measurement Functions to Create Pulse and Digital Signals

Material Location: All materials are available on Vicom's web site 'Resources' page:

<http://www.vicom.com.au/page/239/vicom>

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