



Mastering Your Lab Scope

Go beyond the presets! Here's the step-by-step, signal-by-signal guide to getting more from your scope.

Overview

This manual is:

- General enough to apply to most any lab scope: automotive or industrial.
- Specific enough to provide detailed volts, time and trigger settings and vehicle connections for each signal.
- 165-pages, 8.5" x 11", coil bound.
- Written by an automotive technician, Mike Herbert. He is a shop owner, ASE Master Certified Technician and trainer.

Major Sections

- 71 Scope Setups and sample waveforms with vehicle connections and sample waveform, eg. current testing, ignition
- Waveform Analogies: Analysis and relationships
- Cam & Crank Waveform Comparisons: What to look for
- Abbreviations and Conversion Charts
- Glossary of Scope Terms

NOTE: Also covers relative compression and the use of Amp Probes for ignition, injectors and fuel pumps.

Does your scope already have presets?

Presets are a great starting point; they help you get the waveform on the screen quickly. But it may be necessary to tweak or fine-tune these settings to ensure that you are viewing the information you need to make your diagnosis.

This manual provides the 'tweaked' settings for numerous components providing time, trigger and voltage settings:

5 settings for Cam Position

6 settings for Crank Position

4 settings for Mass Air Flow

More about the author: Mike Herbert

I have 18 yrs in the business and just about to finish up my 4th year (2003) as a shop owner. I am Master certified with L1 certification and finished 2nd in the AC Delco Technician of the Millennium contest for our region in 2000. I have been using Lab Scopes for diagnostics for 12 years. I have just starting to get into training and have recently remodeled a section of my shop for training & research. I have supplied training material for some of the top trainers in the business and currently write manuals that accompany training videos for other companies.