

ERO•SCAN™ – Quick Guide

Screening and Diagnostic Version

The ERO•SCAN™

The purpose of the ERO•SCAN™ test system is to provide a rapid measurement and documentation of Distortion Product Otoacoustic Emissions (DPOAEs) or Transient Evoked Otoacoustic Emissions (TEOAEs) at several frequencies.

Powering the Unit

To turn on the ERO•SCAN™ instrument press the ↓ DOWN key located below the instrument's display screen. The test will default to the protocol last selected. Press and hold the ↑ UP key to turn the unit off.

Probe Tube and Eartips



Attaching Eartips:

Push the eartip onto the probe tube until it is flush against the collar of the probe head. Be sure the eartip is fully seated on the probe.



Note: We highly recommend to use Sanibel™ eartips in order to guarantee optimal test results.



Removing Eartips:

In order to remove the eartip, grasp the eartip at the base using the eartip removal tool and pull it smoothly straight off the probe tube.

If you do not have a Removal tool at hand, grasp the eartip at the base with your fingers and twist it while pulling it off the probe tube.



Probe Tube Replacement:

Probe tubes are disposable and should be replaced when they become clogged. A package of replacement probe tubes is included with this instrument. Do not attempt to clean the probe tube. To replace the probe tube, use the eartip to grasp the probe tube (the clear plastic tube) and twist slightly while pulling the probe tube straight out of the probe head.



Dispose the used probe tube immediately to avoid confusing used tubes and new tubes. Take a new probe tube from the package and insert the tube into the probe head until it is fully seated. A properly inserted probe tube will snap securely into place when it is fully seated in the probe head.

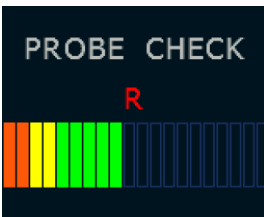
Note: Only change the probe tube when it becomes clogged.

Conducting a Test



Change Protocol:

To change the selected protocol press **↓CHANGE** at the Main Menu. The Change Protocol display will appear. Use the **←CHANGE→** arrow buttons to change the selected protocol. Press the **↑UP** arrow to return to the Main Menu to begin testing.



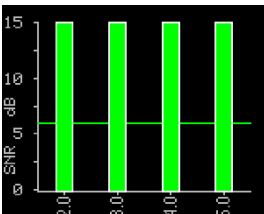
Probe Check:

The horizontal bar graph represents the ear canal volume and at the same time the fitting of the probe. When the probe check is anywhere in the green area, the ear canal volume is in the target area for testing to begin. The test will begin automatically if the probe fit is stable.



Test Result:

When testing is complete, the Main Menu will appear. The results of the test are automatically saved in memory as soon as the test is complete.



To view a graphic display of the test results, press the **↓REVIEW** button. Each frequency (DPOAEs) or frequency band (TEOAEs) is indicated by one column. Each row represents 2 dB of signal-to-noise ratio (SNR). The display might differ depending on the settings used for the test.

Printing Test Result to Wireless Printer



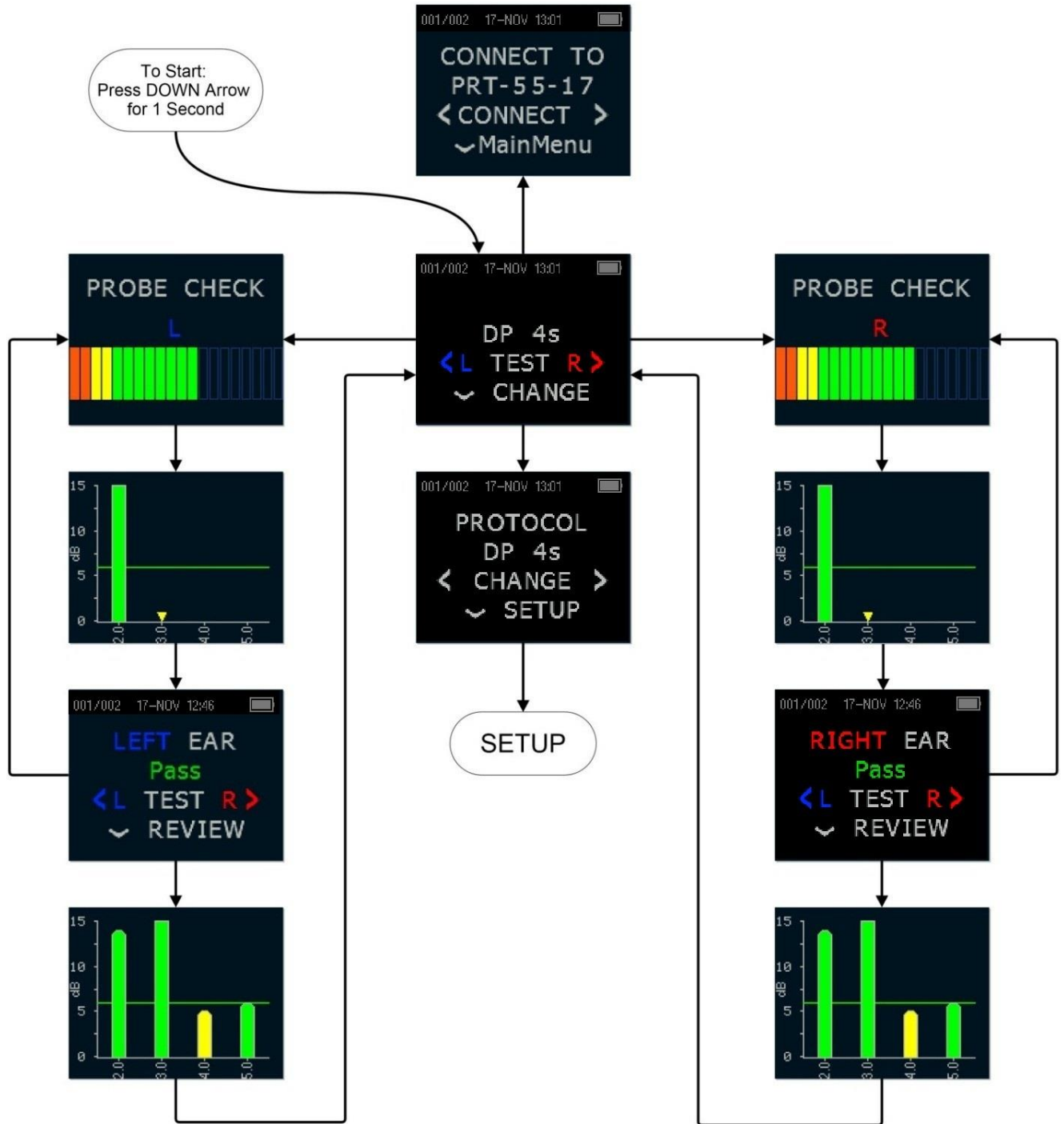
Device Pairing:

To establish wireless pairing, turn on the thermal printer that will be paired with the ERO•SCAN™ unit. Enter the System Menu in the ERO•SCAN™, then select **←DISCOVER→** to initiate discovery of available wireless devices. Use the **←CHANGE→** buttons to select the desired device and then use the **↓PAIR** button to pair the ERO•SCAN™ to the selected device.

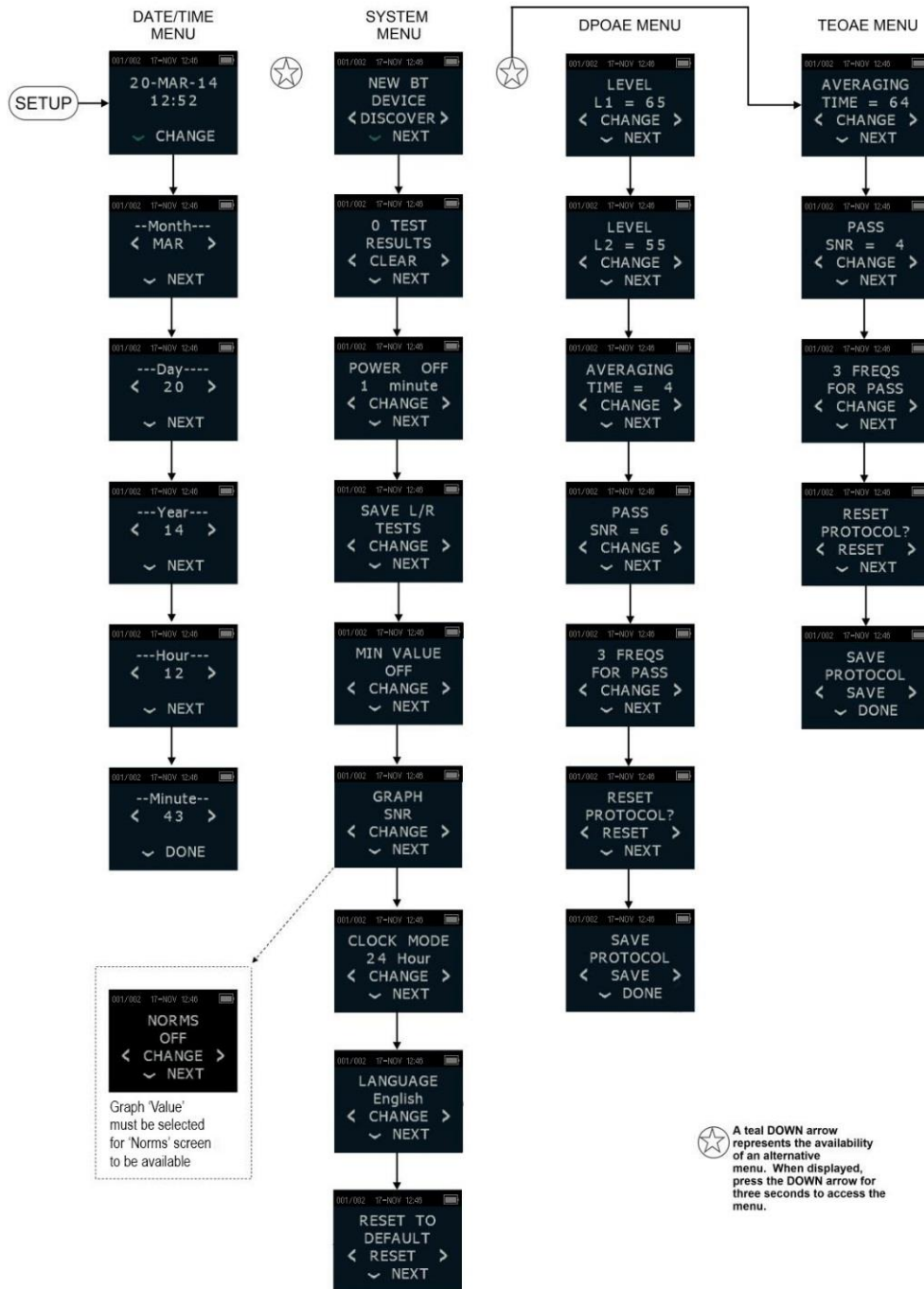


From the ERO•SCAN™ instrument Main Menu, press the **↑UP** button to enter the device connection screen. Press the **←CONNECT→** button to start printing.

Test Operation Flowcharts



Test Operation Flowcharts



NOTE: DPOAE Menu and TEOAE Menu are not accessible in the ERO•SCAN™ Screening version.