INSTRUCTION MANUAL

PRO-SCAN

Handheld BlueTooth Conected Device and Software Enhances Data & Feedback

Electronic Development Labs, Inc.

The Temperature People® - Since 1943

www.edl-inc.com/product/pro-scan/

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IMPORTANT INFORMATION
PLEASE READ FIRST

Differential Temperature: The Pro-Scan Handheld Device is used to compare, detect and display differential skin temperatures along a glide path. Each of the two probes detect a temperature and the difference is displayed. Please remember this unit is still a differential temperature device meaning it WILL NOT ALWAYS SIT AT ZERO – any air current or heat from body etc. will cause the needle to move in either direction and therefore it will cause the unit to appear "not centered or calibrated." This is not accurate – again, it's differential temperature. Pro-Scan units are triple checked and calibrated prior to leaving our facility.

Note: EDL cannot train anyone on how to use or interpret scope reading.

Note: All Pro-Scan sales are FINAL. Returns are not accepted. EDL manufactures the Pro-Scan, however, we are not able to provide instructions on how to use the scope as we are not trained professionals but rather a manufacturer of temperature measurement

Introduction

Congratulations on purchasing one of the finest and most reliable dual probe thermal detection instruments ever made. This diagnostic tool is used by clients around the world to detect temperature differences – and you will find the EDL brand to be the best manufactured. Our line of products has been trusted by professionals worldwide, and for decades – as EDL products have been the preferred tools for accurately adjusting clients since the 1940's. All our instruments are engineered to deliver a lifetime of accurate and dependable operation. In general, you should treat these instruments with the same care and treatment you would any high-quality product. They are designed to be ergonomic and completely portable – we know they are used with every client
and you need to trust it will work wherever and whenever you require it. Pro-Scan is used to compare, detect a display differential skin temperatures along a glide path and to communicate those readings to your PC further enhancing your clients experience and understanding of the complex work you do. Our instruments have earned the trust and respect of customers worldwide and we thank you for your never-ending trust and loyalty to our brand.

Pro-Scan is used comfortably at any time for your clients, especially those who wish to see and better understand their treatment plan. The newest iteration of the longtime trusted device was developed to provide accurate readings in a package that is next generation. As with the ETS-9 and ETS- 9A models, Pro-Scan is resistant to RFI (including interference from cell phones, iPads & tablets, laptops, even fluorescent lights). Pro-Scan was developed to further reject the influence of these sources and consistently give precise & repeatable readings every time the instrument is used.

As with all EDL products, the Pro- Scan is hand-made by skilled craftsmen in our Virginia facility. In addition to manufacturing new devices, we are committed to providing ongoing service on every device we ever produced. At EDL – there is a time-honored tradition of building a quality product that may be passed down from generation to generation, and of us listening to our customers and developing products that truly suit your needs – what you require to help your clients.

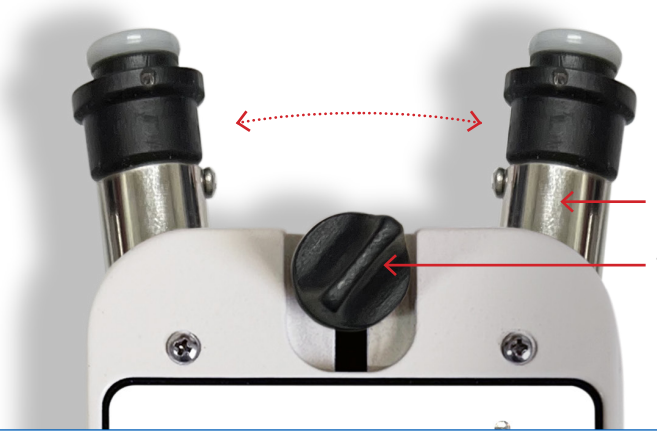
Thermal Detector Arms & The Maximum Flexibility for Adjustments

Pro-Scan offers fully adjustable legs & heads to accommodate clients of all shapes, sizes, & ages. This device may also be used for equine and animal clients as the detector heads are the most adjustable and flexible ever – allowing you to scope patients of virtually any size or shape.

This device features the much loved, and long-term favored Super Glide Tips & Rings with our redesigned Contour Flex Tips offering maximum comfort for virtually every patient and designed to smoothly hug the spine offering unmatched adjustability of heads ideal for every type, size, and style of client.

The black plastic thumb knob on the front of the meter between the arms, is used to lock the detector arms in place. When adjustment is required, simply loosen the black plastic thumb knob. The arms should move smoothly and easily. Carefully compress or expand the detector arms to the desired width and lock them in place by gently tightening the black plastic thumb knob. Do not overtighten.

Note: You must move both detector arms in unison. If you move only one side, you may damage the internal spring and block assembly. Be careful and do not over-tighten the black plastic knob, but ensure the knob is tight enough so the detector arms will not move while in use.



Operation

To turn the unit on: Hold the ON/OFF button for a minimum of 6 seconds (unit will NOT turn on until you have released the button). Please Note: this is also the way to perform a "Hard Reset." If for ANY reason the software is NOT performing as expected the first bit of troubleshooting we will do is ask you to hold the ON/OFF button for a minimum of 6 seconds and release the button to ensure a Reset; once you have completed these steps you will see the main "EDL Splash Screens".

Once you have pressed and held the ON/OFF button and your Pro-Scan is powered on, gently place the two detector arms against the skin. Apply the arms simultaneously and with even pressure to start and maintain your glide at a constant {slow} rate. It is important to maintain the pressure evenly with the detector arms at a right angle in relation to the skin surface. It is suggested to use approximately 0.5 to 1 kg (1 to 2 lbs.) of pressure against the skin with modifications made as needed. Under no circumstance should the glide cause any discomfort to the client – as our new thermocouple design has virtually eliminated the possibility of scratching patients

It is not uncommon for drafts or radiated heat to cause the instrument indicator needle to appear to be off "0" (zero). Please remember this is a differential temperature diagnostic tool. It is recommended that you first reset your Pro-Scan (see instructions below), and if the problem persists call one of our technicians at 1.800.342.5335 or email sales@edl-inc.com for help. You may download a Support Request Form at www.edl-inc.com/chiro-support-request/ to initiate the Repair Process at any time without contacting EDL first.

The ON/OFF button turns the screen on and off when pushed one time. A blue light will appear in the top right corner telling you the device is in sleep mode. Either touch the screen or push the ON/OFF button once to resume use.

If the device remains unused for thirty minutes, the screen will turn off automatically (and can be used again with just one push of the ON/OFF button or touching the screen) after one hour of no operation, the unit will go into a deep sleep power save mode. When this happens, the blue light will turn off and to resume use you must hold the ON/OFF button for a minimum of 6 seconds. Remember the unit will not turn on until you release the button.

Diagram of Pro-Scan Handheld Device

Advancted Contour Flex Thermocouople Tips

Super Glide Ring

Adjustable Detector Arms

Thumb Knob For Locking Detector Arms

Sleep Mode Indicator Light

Battery Life

Settings Menu

Touch Screen (Swipe For "Analog" Or "Digital" Display)

Mode Button

Charging Indicator Light

ON/OFF Button (Hold For A Minimum Of 6 Seconds To Turn The Unit On)

This unit has a capacitive touchscreen and functions similarly to almost any smart touch device (phone or tablet). Simply swipe the screen to change between the "analog display" or the "digital bar graph display".

Please remember this unit is a differential temperature device meaning it WILL NOT ALWAYS SIT AT ZERO – any air current or heat from the body etc. will cause the needle to move in either direction and therefore may cause the unit to appear "not centered or calibrated." This is not accurate or indicative of a problem as again, this diagnostic tool works based on differential temperature. As with all EDL products, the Pro-Scan units are triple checked and calibrated prior to leaving our facility.

Using The Computer Software

To utilize the computer software, you will simply double click the new ICON once the software opens. Once the software is open you will find an easy to navigate and intrinsically simple home page where you can choose what you need to do – including things such as accessing patient records, adding new patients, or connecting your Bluetooth device. We have worked diligently to keep the software screens and instructions as user friendly and self-explanatory as possible. We encourage you to familiarize yourself with all the features we have packed into this unit!

Connecting Your Device

To connect your device and the Software, simply click START in the top right corner of the screen.

Once you select START, the name of your device will pop up in a list of findable devices and you will then click the correct device. Where the screen originally showed NOT CONNECTED you should now see CONNECTED.

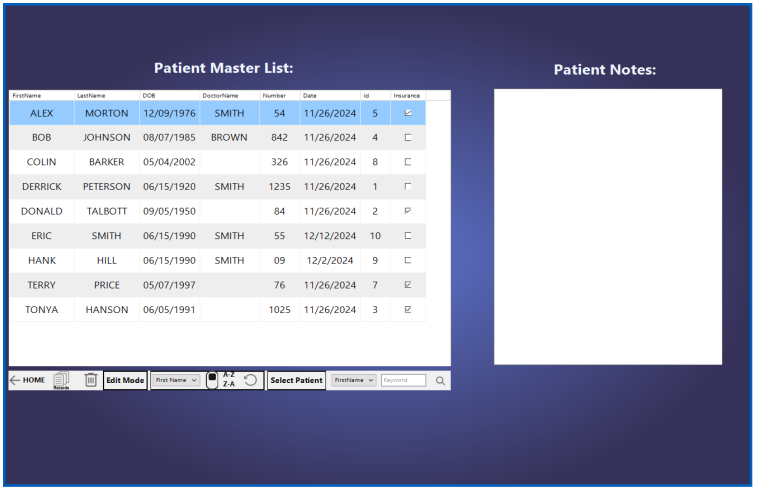
Note: To change the name of your handheld device simply access the SETTINGS button and click the arrows to get to the second page. Once there, touch the KEYBOARD button and type the desired name into the designated field (please note there is a 12-character limit). To save the name, click ENTER in the top left of the screen.

Adding New Clients Into The Database

Click "NEW PATIENT in the middle of the screen. A new window should pop up where you are offered an opportunity to enter the desired information into the fields.

Please note: Under the section related to DOCTORS NAME, if the field is left blank this field will stay blank. Furthermore, it will default to the name of the doctor who last used the device. PATIENT NUMBER, DOCTOR NAME, and NOTES are not required fields. Once all your information is entered into the required fields, click SAVE.

When a new patient is saved, the system will automatically update the CURRENT PATIENT section on the left of the screen.



Access Patient Information

There are multiple ways to access patient information and records. You may view the patient records of the patient you are currently working on by clicking CURRENT PATIENT RECORDS in the CURRENT PATIENT section on the left of the screen.

If you wish to view a different patients' record(s), or if you wish to see a full list of your patients, refer to the middle section of the screen where you will find a tab that is labeled PATIENT LIST. Once here, you can access all your past patient records, as well as edit the patient information from this location. There are multiple fields/ways to sort patients including the following:

• To access patient records you may highlight a patient's name and click the RECORDS button at the bottom of the screen. Once here, double click any glides you wish to overlay in the CHECKED column and then click DISPLAY GRAPHS. This will overlay the graphs on top of one another. Please note when overlaying graphs, you can no longer view the bar graph or the MARKS VIEW.

- Once you return to viewing one single graph, the features will appear again, allowing you additional opportunities to graph, etc.
- To assign a pattern glide, double click the CHECKBOX next to the pattern. You may only have one pattern glide checked at a time.
- To edit patient information, highlight and click EDIT MODE, make the desired changes, then click SAVE EDIT.

• If you make changes and decide against them you can simply hit home.

A Few Notes

When performing a glide, before saving it, please refer to the left side of the screen to choose what style glide you performed. The auto default is set to Full Spine, however due to the diversity of our customer base we have conveniently included several presets and even a custom option for special situations. These are for you to choose, and please remember the importance of selecting the style glide performed when overlaying as it is extremely important that each glide is labeled accurately. You can only overlay glides that have the same starting point.

- It is IMPERATIVE you perform ALL GLIDES at roughly the same speed (our recommendation is slower is always better - - however, we encourage you to refer to your training on how to perform proper glides (and at what speed).
- If you overlay FULL SPINE GLIDES and one glide only takes 4 seconds to perform while the others take 30 seconds to perform, you will see huge differences in the overlay history. If you make changes and decide against them later, you can simply hit HOME or ESCAPE on the keyboard.
- When selecting a patient (the patient you wish to perform a glide on), you may either use the PATIENT LIST or begin typing their name in the SELECT A PATIENT field and sort by first name, last name, etc.
- You must access LAST GRAPH prior to saving anything. Please know once you select SAVE THE GRAPH, your last graph is what will be saved.
- Wait until the connections screen says CONNECTED before performing your first glide. Do not glide while it says CONNECTING.
- Please note you cannot display BAR GRAPH or X MARKS while in multi-graph view.

Analog Display

An analog view will depict 0-25 on both the left and right side of zero. The movement of the needle directly coincides with the thermocouples in the unit and when one side senses a temperature greater than the other the needle will move to display this in the analog view.
On this view you will also see a quick representation with a colored depiction that follows the needle as the number increases either direction (you may turn this on and off in VISUAL AID).

Digital Display

In this view you will see a large bar graph that will move either left or right, based on the temperature detected by the thermocouples. Here you will have a true body temperature readout (which reads in °C or °F) which is extremely helpful when checking fossa readings.
To use the device simply turn the unit on and perform a standard glide. To change any of the settings - the gear and wrench icon on the top left of the screen is a SETTINGS button. Click the settings icon and a drop-down menu with the complete list of settings will appear.

Using The Pro-Scan Handheld Device

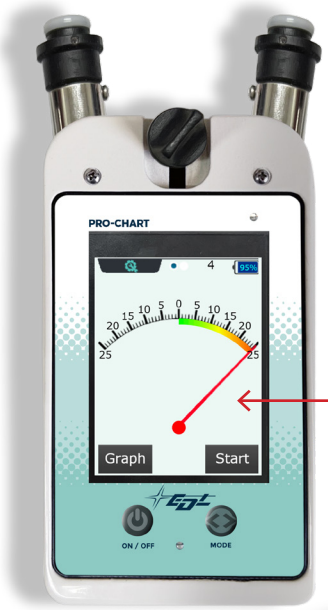
To use the Device power the unit on and perform your standard glides. To change any of the settings – please refer to the SETTINGS button which you will find on the top left of the screen and is depicted by a gear and wrench icon.

Other Settings

Light/Dark Mode: this will change to a dark background with lighter fonts/graphics vs a brighter background with darker fonts/graphics. This is user specific – the unit will default with LIGHT MODE SETTINGS however with the simple push of a button you can alter it to your desired setting.

Units: °F or °C – When needed and while in the digital view this will display actual body temperature.

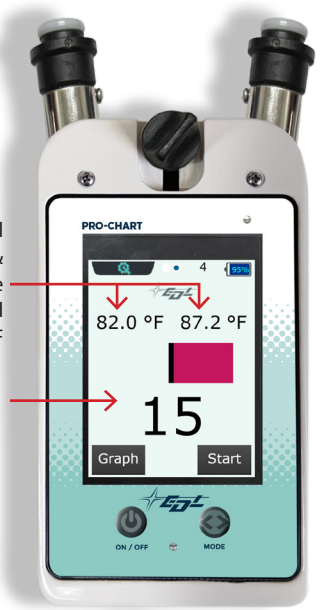
Other Settings Screens



Analog Display

Differential Readings & Temperature May Be Turned ON or OFF

Digital Display

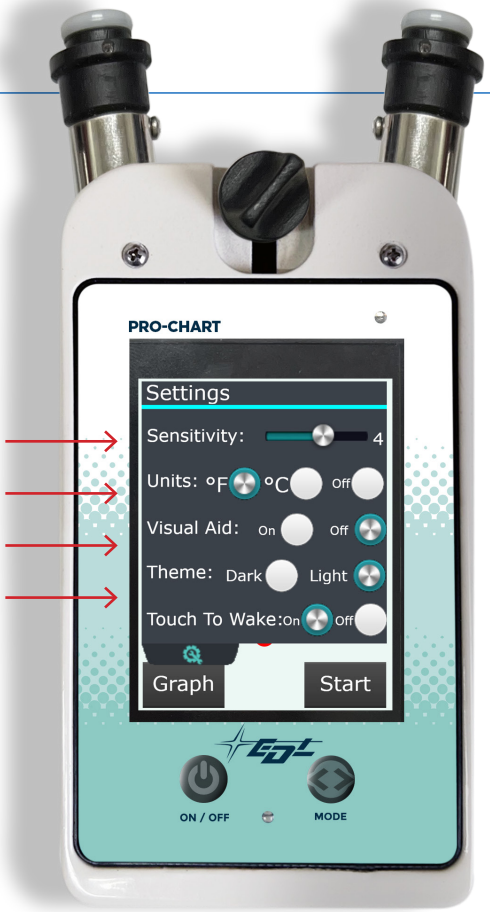


Adjust Sensitivity

Change Units or Turn Off

Turn On or Off Left / Right

Change to Dark or Light Mode



Show Temp: You may choose to use the temperature display - this is user specific. If you do not want to display the temperature you can simply turn this feature off in the settings menu.

Visual Aid: While in the analog view the additional color bar graph feature may be turned on or off and while in the Digital View the display will show you an L or an R in whichever direction the heat is sensed, giving you a quick and easy reference.

Touch to Wake: When the diagnostic tool is powered ON but not in use it may go in to SLEEP MODE. When the device is in SLEEP MODE you may touch the screen or push the ON/OFF button to take it out of SLEEP MODE and begin using the scope again. If the unit is OFF, you must push the ON/OFF button to resume operation when in "sleep mode."

Sensitivity

The Pro-Scan device features eight (8) SENSITIVITY SETTINGS. These (8) sensitivities may be changed by simply pressing the MODE BUTTON. Again, to change sensitivities, press the MODE BUTTON or you may adjust the sensitivity in the settings by using the slider (button), sliding the sensitivity to your desired level.

Note: If you are GRAPHING (discussed in the next section) your glide you cannot change sensitivities during a glide because during a GRAPH SESSION the MODE BUTTON has a different function.

Note: the higher the number, the higher the sensitivity - the lower the number, the lower the sensitivity.

EDL cannot suggest the level you should set your sensitivity at however we recommend starting at 5 and adjusting from there. The Pro- Scan defaults at sensitivity level (5) but it is our hope you will adjust and test the many sensitivity settings offered and tailor it to your needs and comfort level. Each user may tailor this to their own level of comfort and their clients' specific needs. Please remember our older model devices are generally a lower sensitivity while our newer models are a higher sensitivity. We suggest you test and practice with the settings until you find the most comfortable setting for you. You will find the one that best fits your technique with just a little practice. Thermocouple Tips

Thermocouple Tips

Unfortunately, thermocouple tips are prone to user error and are the most common repair. ALL EDL instruments are built with utmost care and use only the finest components in our products. We guarantee every part of our scopes EXCEPT the thermocouple tips because it is up to you to keep your thermocouple tips clean & free of skin debris - and properly stored. Tips do not require maintenance if properly cared for and cleaned as directed: in between each patient and a more thorough cleaning at the end of the day before storing for the next day's use. The new and advanced tips featured on the Pro-Scan are based on the same basic science & functionality as our previous tips and are made with the same precision thermocouple wire as all our previous models. They are made with identical material. But that is where the similarity ends. The new & improved Contour Flex Tips are made of a completely new design, and a design change with great significance. With our new exclusive Contour Flex Tip design we have virtually eliminated the ability to have a broken or sharp edge – as the tip is now one single thermocouple with a smooth rounded and curved design (refer to Figure) With this design, you will never scratch your client. The smooth curved wire is intended to glide easily along the spine without any irritation or discomfort. Another favorite part of this design is the ability to easily see if your tip is broken. This style also makes cleaning much easier as now you are only cleaning one wire – not (8) crevices (refer to Figure 2). There are virtually NO hard-to-reach areas in this new design.

Figure (1)

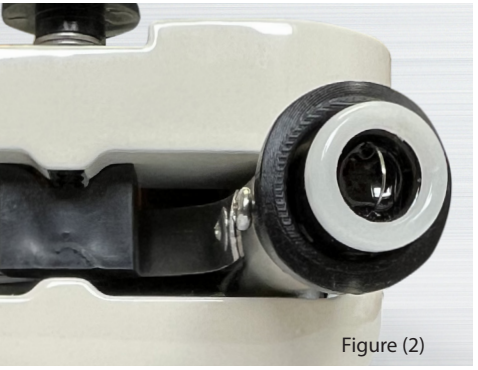


Figure (2)

Graphing

This device is equipped with a graph function allowing you to temporarily store the glide you just performed, giving you an opportunity to show your client what you see. You can now show them both pre- and post-changes. To use the GRAPH feature you may choose to be in ANALOG VIEW, DIGITAL VIEW or in GRAPH VIEW (to get to the graph screen click the bottom left button that says GRAPH). This is how you will see your graph after you complete the glides. Select the START BUTTON from any of the views and perform your standard glide. Once you have finished your glide press the STOP BUTTON (this is the same as the START BUTTON so make sure you only hit it once as the unit only stores the graph temporarily on the non-analog version).

While performing a glide, if you notice a subluxation, you may press the MODE BUTTON and instead of changing the sensitivity while you are graphing this will place a "mark" on the graph thus allowing you to see that break clearly. Once you have reviewed the graph (for yourself or with the client) you then perform another glide and if you choose to graph again, you will hit the START BUTTON again. This will automatically clear the old data and allow you to start a new glide.

Battery Information/ Charging

DO NOT use the unit while it is charging. While the unit is charging the light will show orange - when it is completely charged it will turn green.

This unit will hold a charge for roughly (12) hours, please know this number will fluctuate based on the usage of the instrument throughout the day. We recommend charging it every night. The top right of the screen displays the battery percentage that is left for use. We suggest never letting the scope get below 10% battery level as you don't want to run out of charge during a glide. The screen will begin to get dim and could interfere with your ability to view your findings. The scope is supplied with a charging block and charging cord (refer to Figure 5). To charge

Figure (5)

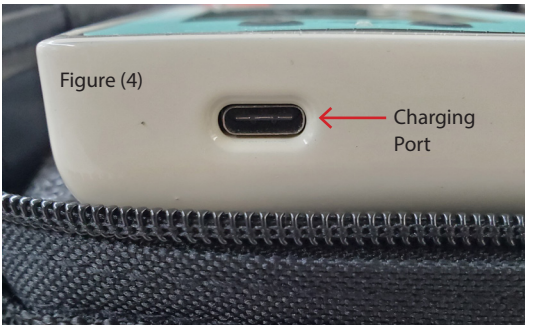


Figure (4)

Charging Port

Cleaning

For compliance and regulations; these instruments must be cleaned between each client. EDL has tested many cleaners and Certol has been our cleaner of choice for several years.
ProSpray™ Wipes are surface disinfectant/cleaner towelettes that have been chosen as our recommended cleaner due to the ratings achieved. To get the full germicidal benefit, the tips must remain moist for 3 minutes. Simply wipe the tip with a towelette, then use the included brush to gently brush the detector tip 3 to 5 times. Repeat these instructions for the other detector. Let the detector tips dry for 3 to 5 minutes.

To clean the instrument housing, use a ProSpray™ disinfectant towelette as well. Do not apply directly on the instrument. Liquid may seep into the instrument and adversely affect the circuitry.

Note: Other disinfectants on the market do not have the ratings of ProSpray™ and the use of these other disinfectants, especially ones that contain quats or iodophors, will damage your instrument and void your warranty. To purchase ProSpray™ Wipes, visit our website at www.edl-inc. com or call our 1.800.342.5335.

Special Features

The Pro-Scan is a fully functional handheld instrument intended for use alone, without the Pro-Scan software (ADD SPECIFIC NAME FOR ORDERING). Both ETS-9 and ETS-9A models are available. The ETS-9A is the Analagraph® Compatible Unit.

Every Pro-Scan handheld device offers unmatched quality and accuracy. Each model is characterized by industry-leading technology that your business can rely on:

Service

- Proven Track Record of Excellence – with both Products & Service
- 8 Easy to Change Sensitivities
- Auto Power Off
- Fully Adjustable Tips with Maximum Motion & Range
- High Sensitivity
- High Noise Immunity
- Contour Flex Tips with One Thermocouple Wire to Clean (not 8 Crevices)
- Fast Response
- High Reliability
- Stable Readings
- 2 Year Warranty

All EDL instruments are constructed of the highest grade of materials available, and are subjected to rigorous testing and calibration procedures before leaving our facility. However, if the need for repair arises, we offer ongoing customer support and repair/calibration services. Due to FDA regulations, repairs are only completed at our APPROVED REPAIR FACILITIES (one located in VA in the USA, and one located in Buenos Aires South America), by one of our trained technicians. Before sending your device in for service, we recommend first trying reset your device. If returning for service, include a completed Repair Form inside the case with your device. Use ample packaging to prevent further damage in transit. Send the scope inside a corrugated container with at least 3" of packaging around all sides of the instrument (including the top and bottom). Label the outside of the package "Fragile – Handle with Care" and insure for the full value of the instrument. The manufacturer accepts no responsibility for damage or loss during transit.

Note: Tampering with the instrument may cause additional or more severe damage, and will void the warranty.

Important: When sending instruments in for service, you must include a completed Repair Form with full contact information and specific details as to the nature of the repair service required. Print a Repair Form online at https://edl-inc.com/chiro-support-request/ or email sales@edl-inc.com.

Send instruments to:
Electronic Development Labs, Inc.
Attn: Repairs & Calibration
244 Oakland Dr.
Danville, VA 24540
USA

*All Pro-Scan sales are final and returns are not accepted. EDL manufactures the Pro-Scan however we are not able to provide instructions on how to use the device as we are not trained professionals.

Warranty

Please complete the included Warranty Card and return by USPS, or complete the Warranty Submission online at...
https://edl-inc.com/chiropractic-warranty-submission-form/

Electronic Development Labs, Inc. (EDL) warrants this product to be free from defects in material and workmanship under normal use and service for a period of two years. This warranty excludes thermocouple tips. This warranty extends only to the original purchaser (a purchase from EDL or recognized EDL distributor is an original purchaser). This warranty does not apply to: (1) cosmetic damage, such as scratches, nicks and dents; (2) consumable parts, such as batteries, unless product damage has occurred due to a defect in materials or workmanship; or (3) damage caused by accident, abuse, misuse, water, flood, fire, or other acts of nature or external causes. In addition, EDL reserves the right to refuse warranty claims against products or services that are obtained and/or used in contravention of the laws of any country. Should EDL be unable to repair or replace the product within a reasonable amount of time, the purchaser's exclusive remedy shall be a refund of the purchase price upon return of the product. In the event of failure of a product covered by this warranty, EDL will repair the instrument when it is returned by the purchaser, freight prepaid, to our manufacturing facility within the applicable warranty period. Repairs or replacements will be made without charge and with return freight paid by EDL, unless the failure was caused by misuse, neglect, accident, or abnormal conditions of operation or storage, in which case repairs will be billed at a reasonable cost. In such cases, an estimate will be submitted before work is started, if requested. The foregoing warranty is in lieu of all other warranties, expressed or implied, including but not limited to any implied warranty of merchantability, fitness, adequacy for any particular purpose or use. EDL shall not be liable for any special, incidental, or consequential damages, whether in contract, tort, or otherwise.
For Warranty help and support call: 1.800.342.5335 or e-mail: service@edl-inc.com.

Trust In Electronic Development Labs, Inc. (EDL)

EDL has a long tradition of excellence because being the best isn't nearly enough for us. Every year, every day, we push ourselves to go beyond our best. That's why no matter what it is, every EDL product is the most accurate, most cost-effective, most sturdy, longest lasting in its class. Our ethic of continual improvement has been the core of our company since day one. We were established in 1943 as a repair house for temperature instruments, and it was not long before we were not just repairing instruments, but producing a better product than what we were repairing. Our drive to be the best made our future obvious: we could make superior instruments, so we did. We're still, after 80 years, committed to being the best temperature equipment manufacturer in America. Our products don't just make the world go 'round; they make it bigger. The legacy of EDL is the legacy of innovation and progress of 20th & 21st century America. Hand in hand with hundreds of satisfied clients, we're forging ahead in the 21st century, pushing boundaries and preserving the good works that benefit all of us. If you're a long-time customer, we appreciate the mutual support. If you're new to our business, we can't wait to help you build a legacy as long-lasting as ours.

Electronic Development Labs, Inc.

The Temperature People® - Since 1943

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