

THE 3-Dmed LARGE TRAINER

Model #
TRLCD05-240

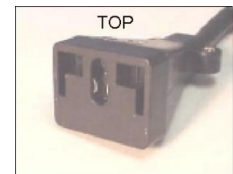
Patent #6659776

Thank you for purchasing the **TRLCD05-240** Trainer from 3-Dmed. Each unit has been fully tested prior to shipment and is easy to setup and use...

SETUP INSTRUCTIONS

Size & Weight
Length: 51.5cm
Width: 32.5 cm
Height: 28.9cm
Weight: 8.2kg

1. Lift the lid by the black knob to open.
2. To install the Simscope™ see the separate instruction sheet included
3. The power cord is stored inside the Trainer. Remove the cord by unhooking the black Rip-Tie® strap. The cord can be secured back in the strap for transportation or storage. Warning: Do not transport or ship the trainer without securing the cord tightly in the strap or damage to the screen could result!
4. Place the female end of the power cord (pictured) over the receptacle prongs on the side of the trainer. Pull up on the cord end to “lock” the cord onto prongs. Plug into a 220-240 volt power source.




5. After power has been supplied to the trainer, if the screen is not illuminated press the power button labeled “ⓘ”. Press it for one second then release. The screen will come on in about three seconds. The LED light should turn from orange to green indicating that power is supplied to the monitor and that a signal is being received. To turn the monitor off: press the “ⓘ” button for one second and release.
6. To illuminate the work area use one or both of the black rocker switches labeled “Ⓛ” that are located on the right side toward the back.
7. If monitor adjustments are needed, press the button above the “☰” symbol. To scroll through the different controls press the “↓” or “↑” button on either side of the “☰” symbol until the desired heading is displayed. To make adjustments to that function press the “↓” or “↑” button on either side of the “☐” symbol. The “↻” button should be set to “AV”.

NOTE: The monitor is a Liquid Crystal Display (LCD) and care must be exercised regarding the surface of the screen. To clean: use a soft cotton cloth lightly dampened with water, vinegar (diluted w/water) or isopropyl alcohol. Do not apply any cleaning solutions directly onto the screen. Never use cleaning products that contain abrasives or strong solvents. To prolong the life of the monitor and light turn them off when not in use.


3-Dmed
255 INDUSTRIAL DRIVE
FRANKLIN, OHIO 45005 USA
T: 00+1+937.746.2901
F: 00+1+937.746.5071
Web: www.3-Dmed.com
E-Mail: Support@3-Dmed.com

3-Dmed®
LEARNING THROUGH SIMULATION
INNOVATOR AND MANUFACTURER SINCE 1970

SYMBOL LEGEND

 - POWER, ON AND OFF

 - MENU ACCESS or MONITOR CONTROL NAVIGATION

 - ADJUST DISPLAY VALUES or CHOOSE MONITOR CONTROL FUNCTION

 - DISPLAY VALUES

 - SWITCH INPUT MODES

 - LIGHT SWITCH

 - RECEPTACLE FOR SIMSCOPE VIDEO CAMERA (LARGE MODELS)

 9v DC - RECEPTACLE FOR SIMSCOPE POWER CORD (LARGE MODELS)

 220-240v AC - CONNECTION FOR 220-240v POWER

 - WARNING: ELECTRICAL HAZARD

 - WARNING: DISCONNECT POWER PRIOR TO ACCESS

CE

2007

3-D TECHNICAL SERVICES

FRANKLIN, OHIO, USA

MODELS: TRLCD03-240, TRLCD05-240

TRLCD06-240, TRLCD07-240

INPUT: 220-240 VOLTS AC

50-60Hz

MADE IN U.S.A..

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LEARNING THROUGH SIMULATION
INNOVATOR AND MANUFACTURER SINCE 1970

THE 3-D_{MED} SIMSCOPE™

SETUP & ADJUSTMENTS

NOTE: Please remove lens cap before using.



Figure 1.



Figure 2

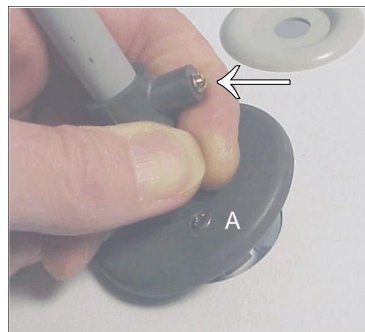





Figure 3

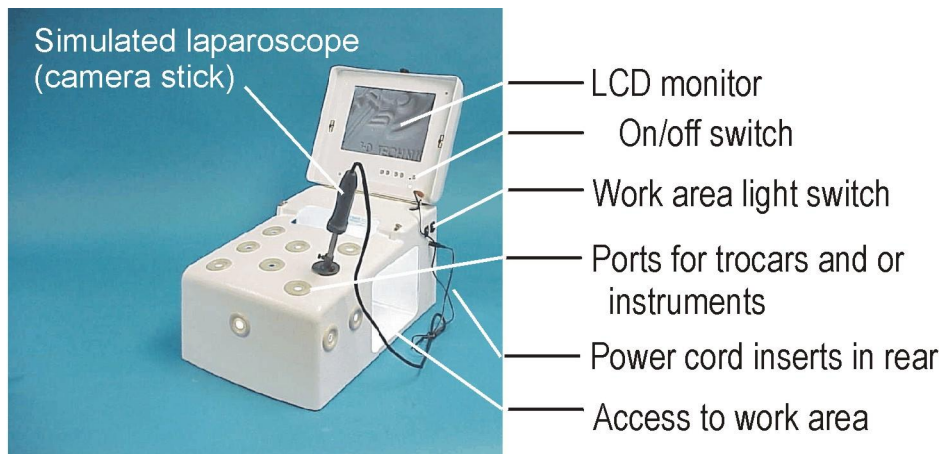


Figure 4

1. The Simscope™ can be installed in any port location. Simply remove the gray grommet from the desired location. To do this press the outer edge of the grommet in toward the center then down into the trainer. (Fig.1).
2. Insert the camera end of the Simscope™ into the hole (fig. 2). Grasp the swivel collar and press into the open hole until it “snaps” into place.
3. Connect the black power cord elbow to the receptacle marked “ 9v DC” below the light switches on the right side of the trainer.
4. Connect the white RCA plug to the gold RCA receptacle marked “ ” beneath the power receptacle.
5. To increase the resistance of the ball joint movement: tighten the three phillips screws (“A” fig. 3) with a #1 Phillips screwdriver. Adjust in small increments. Do not over tighten!
6. To adjust the resistance of the shaft slide movement: turn the insert in the tension adjustment boss (arrow fig. 3) with a small, flat blade screwdriver. Turn clockwise for more resistance, or counter clockwise for less. **DO NOT OVER TIGHTEN or DAMAGE** to the shaft **WILL RESULT**. Adjust in small increments.
7. To remove the Simscope™ grasp the swivel collar placing your forefinger under the tension adjustment boss for leverage, and pull out with a rocking motion (fig. 3).
8. To replace a grommet, squeeze it on opposite sides until it is narrower than the hole and fit the slot in the grommet over the edge of the hole (fig. 4). Work your way around the hole.
9. The focus can be adjusted by turning the lens body in or out at the end of the shaft.

THE TRLCD05-240 LARGE BODY LAPAROSCOPIC TRAINER

QUICK GUIDE



Your instruments can be inserted into any of the thirteen open ports. They can be used with or without trocars.

The standard grommet has a hole sized for a 10mm trocar. Grommets with 5mm holes are also available. Both sizes are interchangeable and easily exchanged for any combination.

The trainer has a generous, well lit work area. It will accommodate artificial anatomical structures or animal tissue. Consider using an absorbent pad under animal tissue or where moisture is present.

Monitor Adjustments:

See "Setup Instructions" for button functions

Scheme - factory set at "Normal", other choices are: Vivid, Sports, Movie, Nature

Brightness - adjusts the light level on the screen.

Contrast - this increases/decreases the separation between light and dark (example: create more shadows).

Hue (Color) - controls the level of the color

Saturation - increases or decreases color in relation to brightness

Sharpness - Adjusts edge contrast of objects being viewed

Color Temperature - factory set at "Standard" cooler is generally better for tasks. Our light is very "cool".

Camera Focus:

The focus can be adjusted by turning the lens body in or out at the end of the shaft.

Using Alternate Displays:

The camera image can be sent to any other television monitor that has an RCA video input, such as a large TV. Simply remove the RCA plug from the RCA jack "G 10" and attach an RCA female/male extension cord (not supplied) between the Simscope™ and the alternate monitor. This works great for lectures or demonstrations.

Recording and using multiple monitors:

Activity can be recorded digitally by connecting the 3-Dmed SSVI07 Video Interface between the trainer and a digital storage device (computer/network). Analog recording can be done as well. Additionally, the SSVI07 can split the input signal providing outputs for up to four monitors. For more information please visit our web site.

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255 INDUSTRIAL DRIVE
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F: 00+1+937.746.5071
Web: www.3-Dmed.com
E-Mail: Support@3-Dmed.com

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