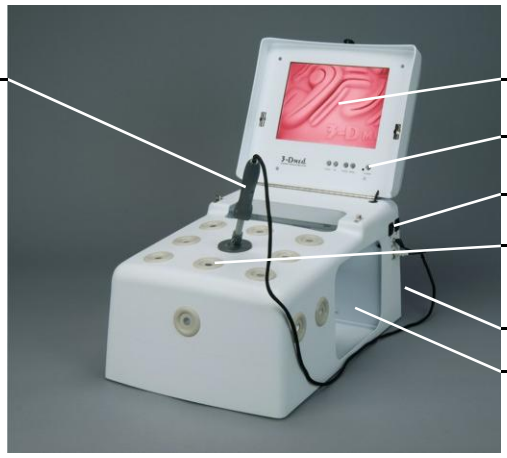
The 3-Dmed MITS Series
T5 QUICK GUIDE



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

The standard grommet is designed to hold 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 either artificial anatomical structures or animal tissue. Consider using an absorbent pad under animal tissue or where moisture is present.

Monitor Display Settings:
To make adjustments see the “Setup Instructions”

Brightness - adjusts the light level on the screen.
Contrast - it increases/decreases the separation between light and dark (example: create more shadows).
Color - controls the level of the color (ranging from grey tones to intense yellow)
Tint - controls the color balance (from green to magenta).

Simscope™ Adjustments:
The Camera Stick can move in and out to change the field of view and swivel providing wide range of viewing positions. It will fit into any of the ports. To adjust the focal range see the “Setup & Adjustments” sheet.

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 white RCA plug from the RCA jack “ ”and attach an RCA female/male extension cord (not supplied) between the trainer cord 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.

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

255 INDUSTRIAL DRIVE
FRANKLIN, OHIO 45005

T: 937.746.2901
F: 937.746.5071

Web: www.3-Dmed.com

If you have questions or would like more information contact us at **937.746.2901**.

The 3-Dmed MITS Series

Model T5-RM

Thank you for purchasing the **T5-RM** from 3-Dmed. Each unit has been fully tested prior to shipment and is easy to setup and use...

SETUP INSTRUCTIONS

Size & Weight
Length: 20-1/4”
Width: 12-7/8”
Height: 11-3/8”
Weight: 18 lbs.

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. Connect the power cord to the receptacle at the back of the Trainer. Plug opposite end into a standard 100-120v AC outlet.

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.

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The 3-Dmed MITS Series

W/ MODULAR MONITOR FOR REMOTE PEDESTAL

Model
T5-RM

Using the Screen Module on the Pedestal

(Please read the entire procedure and refer to the figures as directed before proceeding)

Size & Weight
Length: 21”
Width: 13.5”
Height: 12.25”
Weight: 23 lbs.

Transferring to the Pedestal

1. To separate the pedestal from the trainer: (with the screen module closed and latched) grab the black handle on the back of the trainer and pull up while holding down the pedestal below. They are secured with Velcro® so there will be resistance.
2. Once separated, fold the pedestal 90º along the length (hinged) and stand it vertically with the slots to receive the monitor at the top. Place it near the trainer (fig.1)
3. Unlatch the screen module and leave it in the closed position. Locate the black thumbscrews on the back of the module (fig.2) and remove them.
4. Grasp the screen module by the knob and the near locating tab (fig.3). Lift the assembly at the front (knob) slightly then proceed to lift the assembly straight up clearing it from the mounting flange on the hinge.
5. Position the tabs on the bottom of the screen module into the slots on the pedestal (fig.4) until they are fully seated. Make sure the screen is toward the holes in front of the slots and that the thumbscrews and their retaining chains are positioned in front of the pedestal (fig.4).
6. Continue to hold the screen assembly while securing it to the pedestal with the thumbscrews through the pedestal (fig.5). Tighten securely!

Returning to the Trainer Body

1. Position the mounting flange for the module in the upright position (fig.6).
2. Hold the screen module while removing the thumbscrews that retain it to the pedestal (fig5).
3. Remove the module from the pedestal and feed the black cord back into the trainer body as you guide it into position on the mounting flange (fig.7). Avoid pinching or twisting of the cord. The screen module must be in the horizontal position when placed on the mounting flange.
4. When fully seated on the flange, secure the thumbscrews through the back of the module to the mounting flange.

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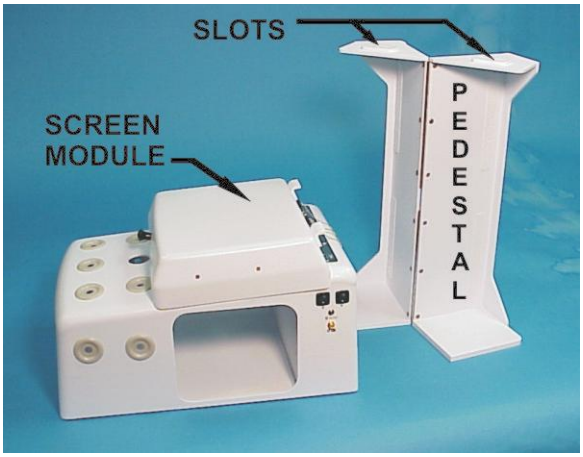

fig.1

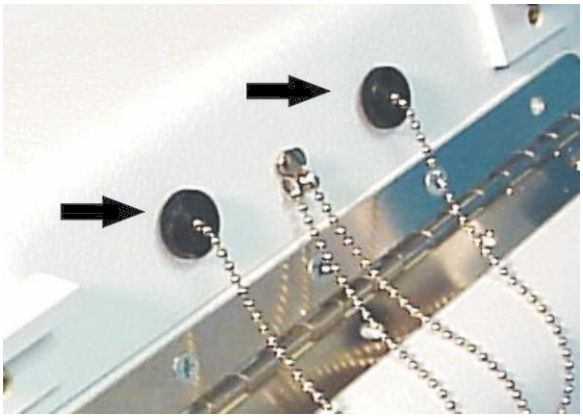

fig.2

fig.3

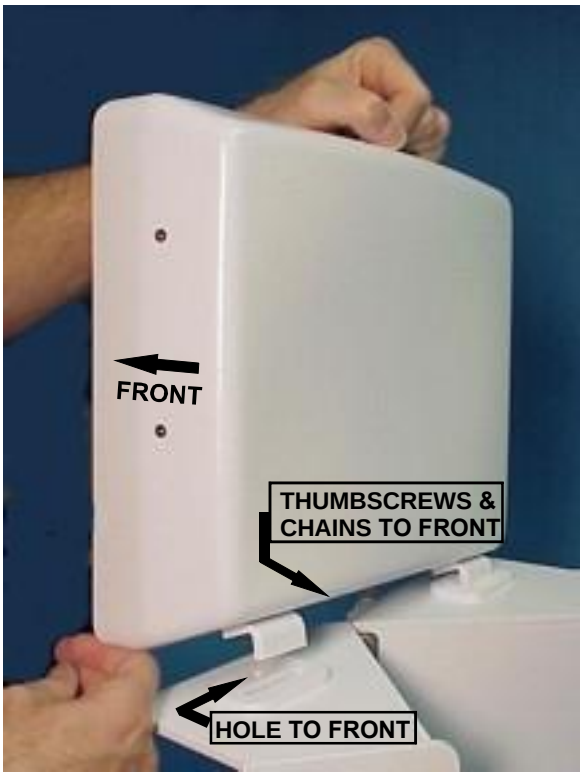

fig.4

fig.5

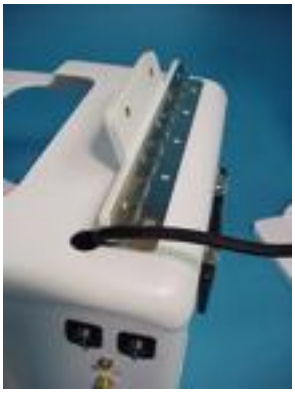

fig.6

fig.7

The 3-Dmed SIMSCOPE™

Figure 1.

Figure 2

Figure 3

Figure 4

SETUP & ADJUSTMENTS

NOTE: Please remove lens cap before using.

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 resistence 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 resistence 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. If there’s a need to adjust the focus of the camera lens you must first loosen the set screw in the side of the lens body with a .05” hex key (Allen™ wrench). Adjust the focus by screwing the lens in or out then gently secure the set screw to maintain that setting.

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SYMBOL LEGEND

- POWER, ON AND OFF

- MENU ACCESS or MONITOR CONTROL NAVIGATION

- ADJUST DISPLAY VALUES or CHOOSE MONITOR CONTROL FUNCTION

-DISPLAY VALUES

- SWITCH IMPUT MODES

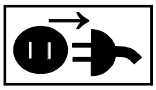
- LIGHT SWITCH

- 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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PLEASE READ THIS WARRANTY

In order to provide warranty or future service please contact us via e-mail at: support@3-Dmed.com prior to taking any action. This will help expedite the process. Often, problems can be resolved by e-mail or phone.

3-Dmed warrants this Product against defects in material or workmanship subject to the following conditions:

1. MONITOR and CAMERA: These items are covered by their manufacturer's warranty for a period of one year. 3-Dmed will act as liaison in the case of your claim, but final determination of coverage is the manufacturer's decision.

2. LABOR: For a period of one year from the date of purchase, if 3-Dmed determines the Product (part) to be defective, we will repair or replace the Product (part), at no charge. After the warranty period, we will provide an estimate for labor charges upon request.

3. PARTS: 3-Dmed will replace defective parts with new or rebuilt replacements for a period of one year. After the warranty period, parts are available through 3-Dmed and pricing will be provided upon request.

TO OBTAIN WARRANTY SERVICE: YOU MUST obtain a RETURN AUTHORIZATION number via phone or e-mail BEFORE sending back the unit. The Product must be sent in its original packaging, or packaging affording an equal degree of protection, to 3-Dmed with insurance for its full value. Uninsured parcels are sent at YOUR RISK for loss or damage.

This warranty does not cover user cosmetic damage or damage due to acts of God, accident, misuse, abuse, negligence, or modification to any part of the Product. This warranty does not cover damage due to improper operation or maintenance, connection to improper voltage supply, or attempted repair by anyone other than a trained technician at 3-Dmed. This warranty is invalid if the factory-applied serial number has been altered or removed from the Product.

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