

DIFFCOUNT III TM

MODEL 10-308
DIFFERENTIAL CELL COUNTERS

Installation Date _____

INSPECTION

Carefully unpack and examine your new unit for any accidental shipping damage. If damaged, contact the carrier for claim filing instructions. Save all packing materials until all claims are settled.

DESCRIPTION

DIFFCOUNT III is the world's finest product line of differential cell counters, providing a fast and reliable means for tallying various leukocyte categories and converting each cell category into percentage of total count. All cell counting categories and the TOTAL cell count are shown simultaneously, each on its own display. DIFFCOUNT III is easy to use. All models feature soft-touch keys, a calculator-type keyboard designed for operator comfort, and easily changed key assignments.

OPERATION

Check the electrical specification of the wall power adaptor. It must be the same as your local power (i.e. 110 or 220 AC), to provide an output of 9 volts AC at 200 mA to the DIFFCOUNT III.

POWER ON/OFF SWITCH

Switch power to the ON position. The power switch is located on the rear panel, next to the power input socket. All channels should display zeros and the word TOTAL should appear on the display. If your DIFFCOUNT will not turn on, check your electrical outlet. If there is power at the outlet, then inspect the instrument fuse. (Fuse=1Amp. Slow-Blow type).

CLEAR KEY

Before beginning a new count, the contents of the memory must be erased. By pressing the CLEAR key, the operator clears the memory and prepares the unit for the next specimen count.

COUNTING KEYS

Each time a counting key is pressed, the corresponding display is increased by one and a "click" will be heard. An "alert tone" also will be given for each 100 cells counted.

DECREMENT FUNCTION

To subtract one count from any channel, hold down the COUNT key and press the key for the channel you wish to decrease.

PERCENT KEY

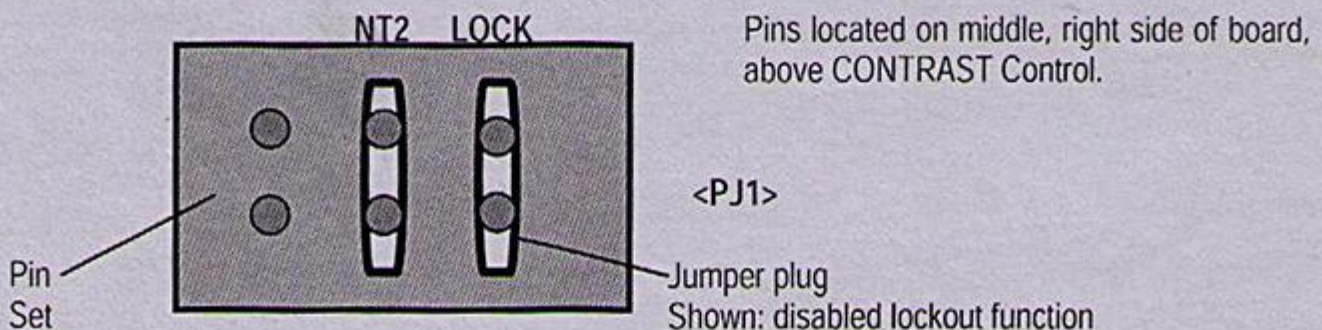
By pressing the PERCENT (%) key the percentage of counted cells appears on each channel display. Percentages are formatted in the style: XX.X (e.g. 10.6%). Adding a count to any channel or pressing the TOTAL key resets the unit back to the counting mode.

NON-TOTAL KEY

DIFFCOUNT III units are factory-set with the UPPER RIGHT counting key as NON-TOTALIZING. This feature is an option. If you wish to change all keys to count into the grand total, refer to the following instructions. Unplug the unit and turn it over. Remove the four retaining screws and remove the case top, being careful not to damage the LCD ribbon cable. Remove the jumper plug at location <NT2> (see diagram below). All keys will now add into the TOTAL COUNT.

LOCK-OUT FUNCTION

At each 100 cells, additional counts are locked out. The LOCK-OUT function may be disabled by placing a jumper plug over the two pins labeled <LOCK>. The unit comes with a jumper plug offset (over only one pin) at <LOCK>. Up to 999 counts may be entered into each individual channel after which the channel goes into <LOCK> mode. Toggle the power switch to reset the LOCK-OUT function.



KEY ASSIGNMENT OVERLAY

A versatile key assignment overlay is furnished with each new DIFFCOUNT III. The overlay allows the operator to pencil in a preferred key arrangement, and is useful when several users share the same instrument. Additional overlays may be ordered.

MAINTENANCE

To clean the case, use only mild detergents and water. Acetone or other harsh agents may cause damage to the plastic case, black accent pieces and overlay.

CAUTION

Wash the exterior of latex or rubber gloves before using them near the DIFFCOUNT. The white powder in the gloves can damage switch contact. The presence of white powder will void the warranty on any unit being returned for key switch problems.

WARRANTY

Modulus Data Systems, Inc., warrants the DIFFCOUNT against defects in manufacturing (workmanship or materials), for a period of twelve (12) months from the date of receipt by the user. The units will be repaired or replaced without charge provided it has received normal and proper usage according to the instructions provided on this card. This warranty is void if the unit is operated at a voltage level other than the level specified on the instrument label attached to the outer case. Further, this warranty is also void if tampered or serviced by unauthorized personnel. The user is required to complete the warranty validation card and return it within ten days after receiving the product.

SERVICE IN THE UNITED STATES

1. SEND A VALID PURCHASE ORDER with all units to be repaired. Units in warranty will be repaired and returned to the address on the purchase order at no charge. Out-of-warranty service is billed at shop rate plus return shipping costs.
2. DESCRIBE THE PROBLEM very specifically on the purchase order. Many problems are intermittent and may not be identified without this information.
3. Package the unit securely, ship prepaid and insure for \$500. We are not responsible for units lost or damaged in the mail.

SERVICE OUTSIDE THE UNITED STATES

1. CONTACT THE DEALER who sold you the unit. Your dealer is to provide warranty service to you.
2. DO NOT SHIP DIRECTLY to the manufacturer. Lack of proper identification can result in high customs charges and possible loss of the unit.

SPECIFICATIONS

DIMENSIONS	Width: 6 in. (15 cm); Depth 9 in. (23 cm); Height: 2 ¼ in. (6 cm)
ELECTRICAL	110-125 VAC, 50-60 Hz, 5 watts Max. 220-250 VAC, 56-60 Hz (Optional power adaptor)
TEMPERATURE	32-120 Degrees F (0-49 Degrees C)

ACCESSORIES AND OTHER MODELS

- 10-312 DIFFCOUNT III twelve-channel unit with overlay.
- 10-329 COMPU-DIFF with diff, morph, hemogram recall, 127-specimen batch memory. Interfaces to LIS.
- 10-312P DIFFCOUNT III twelve-channel with printer port.
- 10-301 URO-COMP enter urine analysis data. Interfaces to LIS.
- 10-009 Service Manual for 10-308 and 10-312. Includes schematic.
- 10-008 Extra key assignment overlays for 10-308. Three (3) per pack.
- 10-012 Extra key assignment overlays for 10-312. Three (3) per pack.
- Power adaptors, including 220 Volt UK or European.