

TIF3710



UVC LIGHT METER



Operator's Manual

CONTENTS

Safety Precautions	1
Features	2
Specifications	2
Control Panel	3
LCD Display	4
Operation	5
Power On	5
Power Off	5
Measurement Value	5
Main Function	5
Max/Min/Avg Measuring Function	6
Data Hold	6
Data Review	6
Data Store	6
Zero Adjust.....	7
Memory Clear	7
UNIT Function	8
TIME Function.....	8
Maintenance	9
Cleaning	9
Storage.....	9
Battery Replacement	9
Warranty.....	9

SAFETY PRECAUTIONS



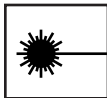
WARNING: To prevent personal injury, and/or equipment damage,



- Read, understand, and follow all instructions and safety precautions.



- Ultraviolet lights become very hot during use. Severe burns to bare skin can result if it is touched. Always turn off the light and wait 15 minutes before removing an ultraviolet lamp.



- Ultraviolet light is very harmful to bare skin and eyes. Never look directly at an ultraviolet lamp when its illuminated as this can cause temporary or permanent loss of vision.

FEATURES

The TIF3710 light meter is a mobile, hand-held device for measuring UVC irradiation.

- High and Low (mW/cm^2 or $\mu\text{W}/\text{cm}^2$) measurement units
- Backlit LCD display
- Low-battery indicator
- Min / Max / Avg measuring
- Data Hold, Data Review, and Data Store functions
- Over Range Indication: ' - HI - '
- Zero Adjust
- Auto Record
- Memory: Twenty points

SPECIFICATIONS

Sample Time: Approximately 0.3 seconds

Operation

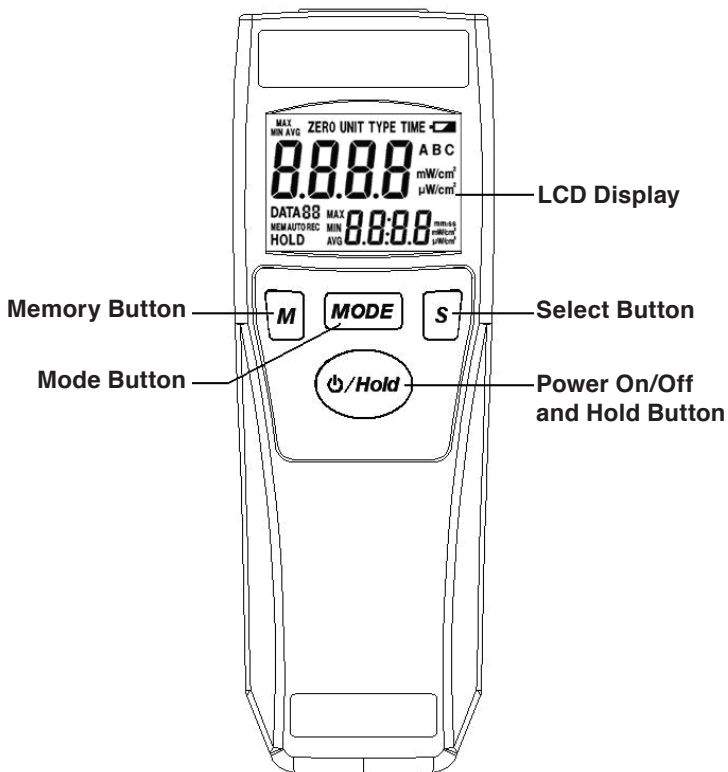
Temperature: 0 to 50°C (32 to 122°F), 10 to 90%RH

Battery Type: 9-volt

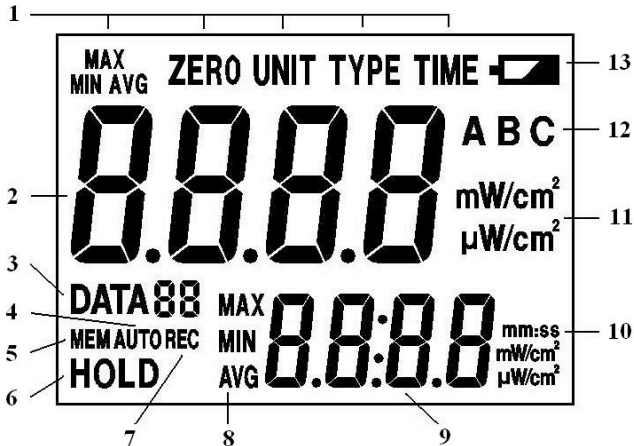
Dimensions: 140 x 49 x 29 mm (5.51 x 1.93 x 1.14 inch)

Weight: Approx. 181g (0.40 lb.) without battery or probe.

CONTROL PANEL



LCD DISPLAY



- | | |
|--------------------|---------------------------|
| 1. Main Functions | 8. MAX/MIN/AVG |
| 2. Primary Reading | 9. Secondary Reading |
| 3. Data Log | 10. Time Units |
| 4. Auto Mode | 11. Measurement Units |
| 5. Memory Review | 12. UV Type |
| 6. Data Hold | 13. Low Battery Indicator |
| 7. Record | |

OPERATION

Power On

Press **⏻/Hold** button and hold for two seconds. Release the **⏻/Hold** button after power on. All symbols on the LCD will appear for one second.

Power Off

Press **⏻/Hold** button and hold for two seconds. When all symbols on the LCD appear, release the **⏻/Hold** button and the tool will shut down.

Measurement Value

The primary display always shows the current reading. The secondary display shows the outcome of the advanced functions or data recording.

Main Function

Press the Mode button to choose a main function.

*NOTE: MAX/MIN/AVG has several extended programs such as Data Hold, Data Review, and Data Store. The following descriptions instruct how to press S, **⏻/Hold**, or M buttons to move to next level.*

OPERATION CONTINUED

Max/Min/Avg Measuring Function

There are four measuring functions. Press the 'S' button to change the measurement mode:

None Max Min Avg.

Data Hold

Press the **⏻/Hold** button. The value at the secondary display will be held, and the LCD will show the **HOLD** symbol. To cancel hold mode, press the **⏻/Hold** button again.

Data Review

Press the 'M' button when in hold mode to access the data memory review mode. The LCD will show the **MEM** symbol. Press the 'S' button to review data points zero to twenty. Data '0' is always stored in the time interval after auto recording is activated. If the data is automatically recorded, the **AUTO** symbol appears next to **MEM** during review.

Data Store

Press the 'M' button to store the current measurement displayed in the Primary Display. The flashing DATA(01~20) icon becomes steady for two seconds, then moves to the next storage location.

Continued -

OPERATION CONTINUED

Data Store Continued

If automatic recording is required, press the 'M' button and hold for two seconds. The LCD will show the **AUTO** symbol next to the **REC** symbol. When twenty data points are recorded, the system will automatically turn off.

To cancel auto record mode, press the 'M' button again. The memory holds a total of twenty data records. Each data record consists of the following values:

1. Irradiation intensity
2. Normal or Auto mode
3. Maximum, Minimum, Average (or None)
4. Units

Zero Adjust

Cover the sensor and press the 'S' button to adjust zero. The Secondary Display will display the adjusted value. Press the 'S' button again and hold for one second to clear the adjust value.

NOTE: When the adjust value is over the range. The Secondary display will display "-Err". Repeat the zero adjust directions, or contact your local TIF distributor.

Memory Clear

In ZERO mode, press the 'M' button to clear data points zero through twenty.

OPERATION CONTINUED

UNIT Function

Press the 'S' button to change the measurement units; $\mu\text{W}/\text{cm}^2$ or mW/cm^2 .

TIME Function

Press the 'S' button to set a time interval for auto recording. Choose from nine time intervals: 1, 2, 5, 10, and 30 (seconds), or 1, 3, 5, and 10 (minutes).

MAINTENANCE

Cleaning

Using soap and water on a damp sponge or soft cloth, clean the housing of the meter. **IMPORTANT: Do not allow moisture to enter the inside of the meter.**

Storage

Store the meter in a dry environment when not in use.

Battery Replacement



Low-battery indicator

Replace the 9-volt battery when the low-battery indicator shows on the LCD. Dispose of the old battery according to local, state, and federal regulations.



WARRANTY

This product has been produced to provide unlimited service. Should it become inoperable after the user has performed the recommended maintenance, a no-charge repair or replacement will be made to the original purchaser. This applies to all repairable units that have not been damaged or tampered with. The claim must be made within **One Year** of the date of purchase.



655 Eisenhower Drive
Owatonna, MN 55060
Toll Free: (800) 327-5060
Fax: (866) 287-7222
www.TIF.com