



TOX-SPOT PORTABLE INCUBATOR



User Guide

Version 1.1

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General Limited Warranty

CheckLight warrants the products manufactured by the Company, against defects and workmanship when used in accordance with the applicable instructions for a period not to extend beyond the product's printed expiration date. CheckLight makes no other warranty, expressed or implied. There is no warranty of merchantability or fitness for a particular purpose.

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1 – introduction

About This Manual

This manual contains the instructions for how to use the TOX-SPOT Portable Incubator. The incubator is easy to use and provides quick accurate results as long as the instructions are followed.

What Is the Portable Incubator?

The Portable Incubator is an integral part of the TOX-SPOT kit and is designed and manufactured by Checklight specifically for use with the kit. The Incubator should be used with the LUM-KK test tubes supplied with the kit. The Incubator is powered by a standard 12V car cigarette lighter.

Precautions

- Be careful not to spill any liquids near the control panel
- Do not change the Incubator settings
- Turning on the incubator with the car engine shut off may drain the car battery

2 - Incubator Components

Main Components

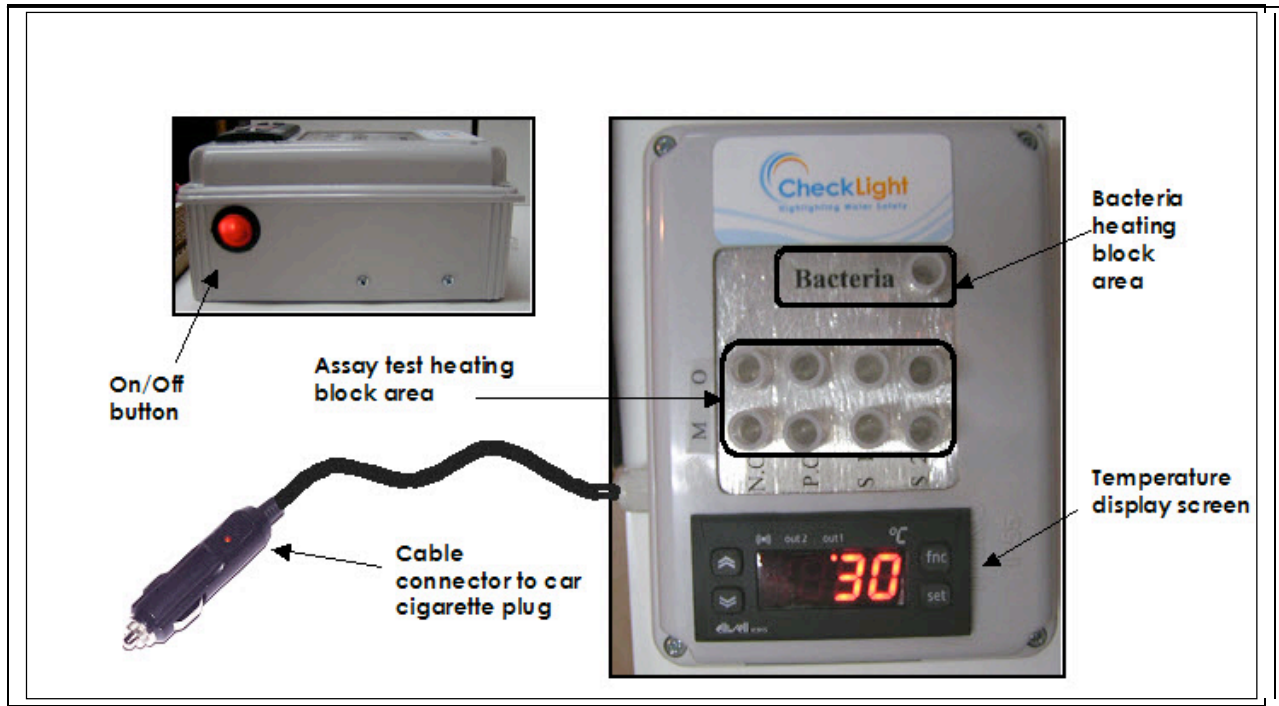


Figure 1: Incubator Components

Display Screen

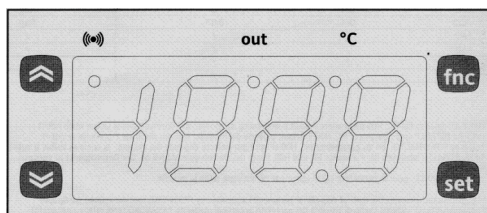


Figure 2: The Display Screen

The digits in the center of the display show the current temperature.
The incubator is set for optimum performance. DO NOT touch any of the buttons

3 - Using The Incubator

1. Confirm that the engine is running.
2. Plug the incubator into the 12V cigarette lighter socket in the car.
3. Using the On/Off switch on the side of the incubator (Figure 1) turn the incubator on. To save time we recommend that you turn the incubator on while traveling to the test site.
4. Depending on the environmental conditions, 10 – 35 minutes is required to reach 30C. Confirm that the incubator reaches 30°C before use.
5. Do not attempt to adjust the temperature of the incubator.

4 - Technical Specifications

Ambient operating temperature	0°C - 30°C
Temperature stability	+/- 0.5°C
Temperature range	30°C
Warm up time	30 minutes
Humidity	10% - 95% RH
Total net weight	0.92 Kg
Dimensions	80x160x120 mm (H*W*D)
Enclosure	IP55
Capacity	8 LUM-KK tubes (mm) & one vial (10x50mm)
Power Supply	Car cigarette plug - 12V DC +/-10%, 50/60 Hz. Maximal Watt 40W
Digital output signal	One relay output, SPDT 8(3)A 250V ~relay
Display	3 digit (and a half) + mark display on the IC902 controller by EliWell controls SRL

Specifications are subject to change