WGLT

Wireless Glove Leak Tester

Introduction

The **Esco Wireless Glove Leak Tester (WGLT)** facilitates the detection of any punctures or holes to guarantee the integrity of an isolator's gloves/sleeves system. This accessory uses the principle of pressure loss and method based on Class 3 Containment as per ISO 10648-2.

The WGLT comprises of two parts:

1. **Hardware** - refers to the wireless glove leak tester and its independent control.
2. **Software** - refers to the application used to remotely control and monitor the glove leak tester. This is generally installed on a Windows-based computer which meets the system requirements.

Quick View

1. Seal Deflate Button   *2. Control Button with Operation Status LED*   *3. USB Port*   *4. Power Button with Battery Status LED*   *5. Charging Port*

For items #2 and #4: The button will light up to showcase the WGLT's running status. Refer to the color legend below the buttons.
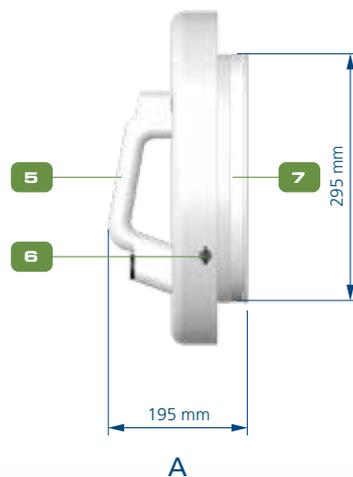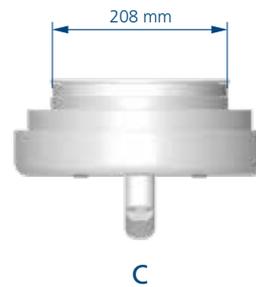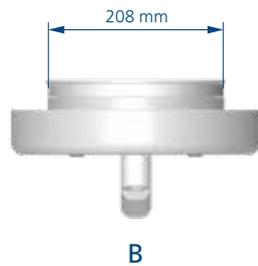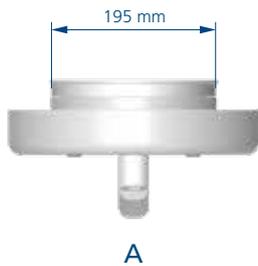
Key Features

- Sleek, easy to clean, and low-maintenance design
- FDA-approved inflatable seals
- HDPE glove port disc for increased durability
- Portable and wireless for on-the-go use
- Generates alarm and data logs and can be operated within assigned authority levels
- Remotely connects and controls the unit
- Glove port docking part can be customizable to match any existing glove port size. *(Note: Actual sample of the glove port will be needed for accurate sizing of the WGLT)*

Basic Principles

- Inflatable seals inflate to securely seal the glove
- The compact built-in pump of the glove leak tester injects air into the glove until it reaches the desired pressure
- The glove leak tester then stops the air injection and reads pressure loss within 5 minutes
- The glove leak tester determines whether the glove passes the leak tightness test or not in order to monitor the integrity of the isolator's gloves/sleeves system

SOFTWARE GENERAL SPECIFICATIONS

| Component	Recommended
Processor (CPU)	Intel Core i5 or equivalent
Operating System	Windows 10 Professional x64
Memory (RAM)	8 GB
Network Adapter	802.11AC Dual Band 2.4g/5g GHz wireless network adapter
Others	.NET Framework 4.6.1, MS Access Database Engine, Crystal Report Runtime *(included in the installer package)* Router that supports IPv4 NAT or IPv6 Drive storage consumption: 34.8 MB

HARDWARE GENERAL SPECIFICATIONS

Glove type	Oval Glove
External Dimension	295 mm x 189 mm x 395 mm
Net Weight	3.75 kg
Disc size	208 mm x 308 mm
Exterior Material	HDPE
Battery	14.8 V, 5 AH (21700 Li-Ion Battery 4S1P)
Charger	16.8 VDC, 1.8 A; 3 hours computed charging time
Number of Tests	8 full cycle tests
Maximum pump pressure	250 kPa
Pressure Range	0 – 300 Pa
Processor	Single Core ARM 1 GHz
RAM, Runtime memory	512 MB
ROM, Data, and Log Memory	8 GB Flash MicroSD
USB Interface	1 x USB 2.0 Type A

A — 195 mm   B — 208 mm   C — 208 mm

A — 395 mm / 195 mm   A — 295 mm / 195 mm   B — 308 mm / 195 mm   C — 308 mm / 195 mm

1. Seal Deflate Button
2. Control Button with Operation Status LED
3. USB Port
4. Power Button with Battery Status LED
5. WGLT Handle
6. Charging Port
7. Inflatable Seal

A

5

6
7
8

9
10

1
2

3
573 mm

4
573 mm

573 mm
5
A

573 mm
B

573 mm

1150 mm
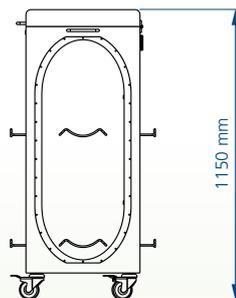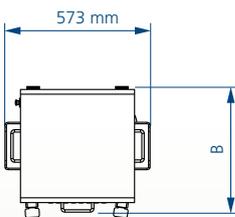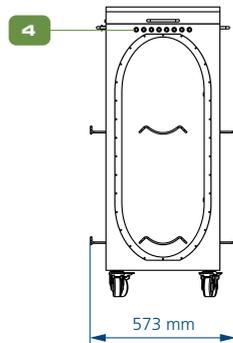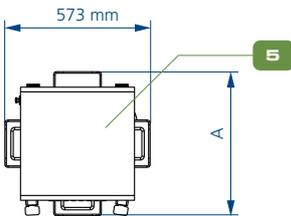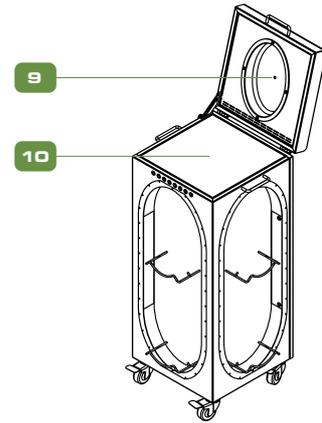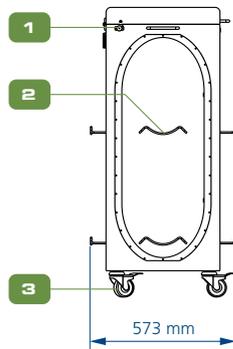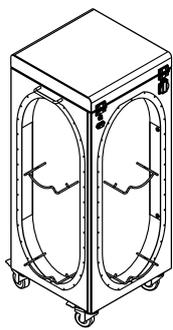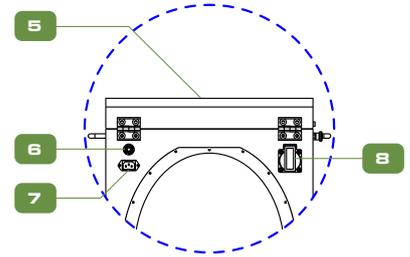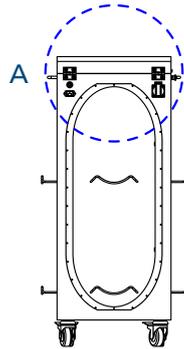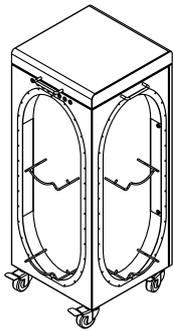
1. *Retractable Spring Plunger*
2. *WGLT-G2 Holder*
3. *Castor Wheel With Brake*
4. *Push Button Switches For WGLT-G2 Charger*
5. *Hinged Outer Table*
6. *Circuit Breaker Reset Button*
7. *Power Supply Inlet*
8. *Electrical Socket IP54, Type G*
9. *Inner Table*
10. *Test Port*

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