2.0 Product Description	
Product	Cell profiler
Brand name	CWB
Description	The CWBCE-1320 is a cell profiler used to observe the resonant frequencies of specimens. The equipment is powered from a single USB connection to an external computer which runs software that collates specimen information; and the data provided by the cell profiler. The cell profiler generates a magnetic field that grows in the coil and grows in the field (low field). Different specimens affect differently the fields (growing/decaying), the resonant medium of microactivity is then assessed by a bio-information centre against relevant and data stored indicators, for example organic/biological and returned to the sender
Models	CWBCE-1320
Model Similarity	NA
Ratings	5Vdc, 30mA
Other Ratings	NA
Conditions of Acceptability	The products covered in this Report are incomplete in construction features or limited in performance capabilities and are intended for use and evaluation in other products. Consideration should be given to the following when the component is used in or with another product. 1. The equipment is only to be connected to an external computer with a USB port that conforms to USB standard 1.1, 2.0 or 3.0. The equipment is not suitable for use with higher than USB standard 3.0 unless further single fault conditions are performed on the equipment using the maximum declared supply current available from the future USB standard number. 2. The computer that the equipment is connected to via the USB connection, must provide double / reinforced insulation to mains voltages.

4.0 Critical Components

Photo #	Item no.[1]	Name	Manufacturer/ trademark[2]	Type / model[2]	Technical data and securement means	Mark(s) of conformity [3]
1	1	USB cable	Skycable Enterprise Co Ltd	Style 2725	Shielded 28AWG, 4 core, 80℃, 30V, VW-1. Standard type A plug at one end and a mini type B plug at the other.	UR
			Various	Various	Shielded 28AWG, 4 core, 80℃, 30V, VW-1. Standard type A plug at one end and a mini type B plug at the other.	UR
1	2	Enclosure plastic material	Du Pont	Delrin II Acetal 150	Machined block of material, 5.5mm minimum thickness. Flammability: HB40	cURus
2	3	Label	CV Labels Ltd	Material: CVMS PT50 PERM Ink: Armor "AXR-7+" or Iimak "SP-330" thermal transfer ribbons	Thermal transfer ribbon printed adhesive label. See Illustration no. 1 for marking details.	cURus
3	4	[redacted]				
3	5	PCB material	Ventec	VT-42	1.6mm thick Flammability: 94V-0	UR
			Various	Various	1.6mm thick Flammability: 94V-0	UR

1) Not all item numbers are indicated (called out) in the photos, as their location is obvious.
2) "Various" means any type, from any manufacturer that complies with the "Technical data and securement means" and meets the "Mark(s) of conformity" can be used.
3) Indicates specific marks to be verified, which assures the agreed level of surveillance for the component. "NR" - indicates Unlisted and only visual examination is necessary. "See 5.0" indicates Unlisted components or assemblies to be evaluated periodically refer to section 5.0 for details.

5.0 Critical Unlisted CEC Components

No Unlisted CEC components are used in this report.

6.0 Critical Features

Recognized Component - A component part, which has been previously evaluated by an accredited certification body with restrictions and must be evaluated as part of the basic product considering the restrictions as specified by the Conditions of Acceptability.

Listed Component - A component part, which has been previously Listed or Certified by an accredited Certification Organization with no restrictions and is used in the intended application within its ratings.

Unlisted Component - A part that has not been previously evaluated to the appropriate designated component standard. It may also be a Listed or Recognized component that is being used outside of its evaluated Listing or component recognition.

Critical Features/Components - An essential part, material, subassembly, system, software, or accessory of a product that has a direct bearing on the product's conformance to applicable requirements of the product standard.

Construction Details - For specific construction details, reference should be made to the photographs and descriptions. All dimensions are approximate unless specified as exact or within a tolerance. In addition to the specific construction details described in this Report, the following general requirements also apply.

1. Spacing - No connection to a mains supply, no spacing requirements.
2. Mechanical Assembly - Components such as switches, fuseholders, connectors, wiring terminals and display lamps are mounted and prevented from shifting or rotating by the use of lockwashers, starwashers, or other mounting format that prevents turning of the component.
3. Corrosion Protection - No ferrous metal parts.
4. Accessibility of Live Parts - No live parts
5. Grounding - This product is not provided with a means of grounding as it is not required to be grounded since it has a USB connection only, it has no connection to a mains supply and contains no internal hazardous voltages.
6. Polarized Connection - This product is not provided with a polarized mains power supply connection.
7. Internal Wiring - Internal wiring is routed away from sharp or moving parts. Internal wiring leads terminating in soldered connections are made mechanically secure prior to soldering. Recognized Component separable (quick disconnect) connectors of the positive detent type, closed loop connectors, or other types specifically described in the text of this report are also acceptable as internal wiring terminals. At points where internal wiring passes through metal walls or partitions, the wiring insulation is protected against abrasion or damage. All wiring is minimum 28 AWG, with a minimum rating of 30V, 80℃.
8. Schematics - Refer to Illustration No(s). 1 to 2b for schematics requiring verification during Field Representative Inspection Audits.
9. Markings - The product is marked on a labelling system as described in item no. 3 of Section 4.0 as follows: manufacturer's name, brand name, model number.

   The following markings in French are required: None
10. Cautionary Markings - The following are required: None
11. Installation, Operating and Safety Instructions - Instructions for installation and use of this product are provided by the manufacturer. Refer to Illustration No(s). 2 and 2b for details.

7.0 Illustrations

Illustration 1 - Copy of the label located on the back of the equipment.

8.0 Test Summary					
Evaluation Period	5-Sept-2013 to 11-Sept-2013			Project No.	G101281623
Sample Rec. Date	3-Sep-2013	Condition	Prototype	Sample ID.	-
Test Location	Intertek Testing & Certification Ltd				
Test Procedure	Testing Lab				
Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. The product was tested as indicated below with results in conformance to the relevant test criteria.					
The following tests were performed:					
Test Description		UL 60950-1-2007 CAN/CSA C22.2 No 60950-1-07 Clause			
Durability		1.7.11			
Temperature limits for materials		4.5.3			
Touch temperature limits		4.5.4			
Electric strength		5.2			
Abnormal operating and single fault conditions		5.3			

Evaluation Period	26-Jul-2016	Project No.	G102583125
Due to the previous testing performed and reported above no additional testing was necessary for adding Rev 2014/10/14 of UL60950-1 and Amd. 2:2014 of CSA C22.2#609501-			

8.1 Signatures			
A representative sample of the product covered by this report has been evaluated and found to comply with the applicable requirements of the standards indicated in Section 1.0.			
Completed by:	Kai Man	Reviewed by:	Paul Wilson
Title:	Senior Engineer	Title:	Assistant Chief Engineer - ETL
Signature:		Signature:	

9.0 Correlation Page For Multiple Listings	
The following products, which are identical to those identified in this report except for model number and Listee name, are authorized to bear the ETL label under provisions of the Intertek Multiple Listing Program.	
BASIC LISTEE	CWB Technologies Ltd
Address	Britty Hill Elstead, Surrey, GU8 6LG
Country	United Kingdom
Product	Cell profiler

MULTIPLE LISTEE 1	None
Address	
Country	
Brand Name	
ASSOCIATED MANUFACTURER	
Address	
Country	

MULTIPLE LISTEE 1 MODELS	BASIC LISTEE MODELS

MULTIPLE LISTEE 2	None
Address	
Country	
Brand Name	
ASSOCIATED MANUFACTURER	
Address	
Country	

MULTIPLE LISTEE 2 MODELS	BASIC LISTEE MODELS

MULTIPLE LISTEE 3	None
Address	
Country	
Brand Name	
ASSOCIATED MANUFACTURER	
Address	
Country	

MULTIPLE LISTEE 3 MODELS	BASIC LISTEE MODELS

10.0 General Information

The Applicant and Manufacturer have agreed to produce, test and label ETL Listed products in accordance with the requirements of this Report. The Manufacturer has also agreed to notify Intertek and to request authorization prior to using alternate parts, components or materials.

COMPONENTS

Components used shall be those itemized in this Intertek report covering the product, including any amendments and/or revisions.

LISTING MARK

The ETL Listing mark applied to the products shall either be separable in form, such as labels purchased from Intertek, or on a product nameplate or other media only as specifically authorized by Intertek. Use of the mark is subject to the control of Intertek.

The mark must include the following four items:

1) applicable country identifiers "US" and/or "C" or "US", "C" and "EU"
2) the word "Listed" or "Classified" or "Recognized Component" (whichever is appropriate)
3) a control number issue by Intertek
4) a product descriptor that identifies the standards used for certification. Example:

For US standards, the words, “Conforms to” shall appear with the standard number along with the word, “Standard” or “Std.” Example: “Conforms to ANSI/UL Std. XX.”

For Canadian standards, the words “Certified to CAN/CSA Standard CXX No. XX.” shall be used, or abbreviated, “Cert. to CAN/CSA Std. CXX No. XX.”

Can be used together when both standards are used.

Note: A facsimile must be submitted to Intertek, Attn: Follow-up Services for approval prior to use. The facsimile need not have a control number. A control number will be issued **after signed Certification Agreements** have been received by the Follow-up Services office, approval of the facsimile of your proposed Listing Mark, satisfactory completion of the Listing Report, and scheduling of a factory assessment in your facility.

MANUFACTURING AND PRODUCTION TESTS

Manufacturing and Production Tests shall be performed as required in this Report.

FOLLOW-UP SERVICE

Periodic unannounced audits of the manufacturing facility (and any locations authorized to apply the mark) shall be scheduled by Intertek. An audit report shall be issued after each visit. Special attention will be given to the following:

1. Conformance of the manufactured product to the descriptions in this Report.
2. Conformance of the use of the ETL mark with the requirements of this Report and the Certification Agreement.
3. Manufacturing changes.
4. Performance of specified Manufacturing and Production Tests.

In the event that the Intertek representative identifies non-conformance(s) to any provision of this Report, the Applicant shall take one or more of the following actions:

1. Correct the non-conformance.
2. Remove the ETL Mark from non-conforming product.
3. Contact the issuing product safety evaluation center for instructions.

10.1 Evaluation of Unlisted Components

Because Unlisted Components are uncontrolled, and they do not fall under a third party follow up program, Intertek may require these components to be tested and/or evaluated at least once annually, more often for certain components, as part of the independent certification process. The Unlisted Components in Section 5.0 require testing and/or evaluation as indicated.

Note to Intertek Follow Up Inspector: The Component Evaluation Center, CEC, will notify you in writing when these components must be selected and sent to the CEC for re-evaluation

Ship the samples to:
Intertek Testing & Certification Ltd.
ETL Component Evaluation Center
Intertek House, Cleeve Road
Leatherhead, Surrey, KT22 7SB, United Kingdom
Attn: Rob Bearpark
Sample Disposition: Due to the destructive nature of the testing, all samples will be discarded at the conclusion of testing unless, the manufacturer specifically requests the return of the samples. The request for return must accompany the initial component shipment.