

Certificate of Conformity

Certificate No.: AN	IZEx 17.3007	Current Issue: 2	Date of Issue:	2024-08-15
Applicant:	Casella Holdings Lin Regent House Wolseley Road Kempston, Bedfordshire United Kingdom	nited ∋ MK42 7JY		
Equipment:	APEX2 Personal Air S	ampling Pump		
Type of Explosion Protection:	Intrinsic Safety "ia"			
Explosion Protection Marking:	Ex ia I Ma Ex ia IIC T4 Ga Ex ia IIIC T135°C Da Ta = -20°C to +45°C			
Ti Join ANZEx S	his certificate is granted su t Accreditation System of J System Rules 2020 & ANZ	bject to the requirements Australia and New Zealar Ex Certified Equipment S	as set out in nd Publications Scheme Rules 2021	
Signed for and on beha	lf of issuing body	Allant		
	Name & Position	Debbie Wouters, Acting Quality	& Certification Manager	
This certificate is not transferable The status of this certificate can b	and remains the property of the iss e confirmed through the database l	uing body. located at <u>www.anzex.com.au</u>		
Certificate iss	ued by:			
	Tes 919 Londonderry Road,	tSafe Australia Londonderry NSW 275	53 Australia	
JAS-ANZ	Page	1 of 7 nav only be reproduced in full	SafeWork NSW	Test

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EPF019_26 - Proforma issued 26/06/2024



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Manufacturer :	Casella Holdings Limiter Regent House Wolseley Road Kempston, Bedfordshire M United Kingdom	d /K42 7JY				
Manufacturing Location(s):	Casella Holdings Limiter Regent House Wolseley Road Kempston, Bedfordshire M United Kingdom	d ЛК42 7JY				
STANDARDS:						
The equipment and an documents, was found	y acceptable variations to it specifi to comply with the following stand	ed in the schedule of this c ards:	ertificate and the identified	d		
IEC 60079-0: 2017	Explosive atmospheres -	Part 0: Equipment – Gener	al requirements			
IEC 60079-11: 2011	Explosive atmospheres -	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"				
This Certificate does no included in the Standar	ot indicate compliance with safety a	and performance requirem	ents other than those exp	ressly		
JAS-ANZ	Page	2 of 7				
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Certificate of Conformity Ex EQUIPMENT

С	Certificate No.:	ANZEx 17.3007	Current Issue: 2	Date of Issue:	2024-08-15

Schedule

Equipment Description:

The APEX2 Personal Air Sampling Pump is used to take samples of airborne materials or toxic contaminates. It is a portable device usually carried on a human body (attached to clothes). It is a battery operated self-contained device housed within an anti-static enclosure. The pump is designed to provide a stable controlled flow rate of approximately 0.5 to 5 litre/min such that a known volume of air is passed through a passive sampling head and filter medium.

Airborne materials are collected onto a filter substrate and are subjected to mass or chemical analysis in a laboratory in order to establish a worker's exposure to potentially hazardous materials. Sampling pumps are typically worn on the user's belt and are connected to the sampling head via a short length of tube.

The equipment may only be charged in the safe area with either:

- 1. APEX2/IS 5L Pump Five way Charger
- 2. APEX2/IS 5L Pump Single Way Charger

Electrical Ratings/Parameters

The charger must be supplied from a SELV source with Um = 63 V These chargers have an output of: Um = 14.5 V Imax = 850 mA When connected to a USB in the safe area: Um = 5.9 V

Imax = 85 mA

Specific Conditions of Use:

None.







Date of Issue:

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Certificate No .: ANZEx 17.3007 Current Issue: 2

2024-08-15

Manufacturer's Documents/Drawings associated with this issue:

Document/Drawing Number	Pages / Sheets	Document/Drawing Title		Date
04-209140D/IS	1	* APEX2/I.S – Case Body G/A		2024-04-22
03-209147C/IS	1	APEX2/IS - Battery Pack S/A	02	2017-04-03
93-209148C/IS	1	APEX2/IS 5L Pump Battery Pack PCB CCT Diagram	06	2017-05-23
05-209150B/IS	1	APEX2/IS 5L Pump Battery Pack PCB S/A Parts List	06	2017-05-23
02-209149B/IS	1	APEX2/IS 5L Pump Battery Pack PCB Profile & Drilled	03	2017-05-23
05-209150B/IS	1	APEX2/IS 5L Pump Battery Pack PCB S/A (Layout)	06	2017-05-23
93-209141D/IS	2	* APEX2/IS 5L Pump Circuit Diagram (Main PCB Schematic)	08	2023-09-18
05-209143C/IS	1	* APEX2/IS 5L Pump Main PCB S/A (Layout)	10	2023-09-15
05-209143C/IS	2	* APEX2/IS 5L Pump Main PCB S/A (Main PCB Parts List)	10	2023-09-15
02-209142C/IS	1	APEX2/IS 5L Pump Main PCB Profile & Drilled	08	2022-05-25
93-209144C/IS	1	* APEX2/IS 5L Pump Display PCB CCT Diagram	06	2023-09-19
02-209145B/IS	1	* APEX2/IS 5L Pump Display PCB Profile & Drilled	05	2023-10-24
05-209146B/IS	1	* APEX2/IS 5L Pump Display PCB S/A (Layout)	08	2023-09-19
05-209146B/IS	1	* APEX2/IS 5L Pump Display PCB S/A (Parts List)	08	2023-09-19
04-209152B/IS	1	APEX2/IS – 1- Way Charging Unit G/A	02	2017-08-17
93-209153B/IS	1	APEX2/IS 5L Pump Single Charging Unit Circuit Diagram	03	2017-08-16
05-209155B/IS	1	APEX2/IS 5L Pump Single Charging Unit PCB S/A (Parts List)	02	2017-08-15
02-209154B/IS	1	APEX2/IS 5L Pump Single Charging Unit PCB Prof & Drill	01	2016-05-25
05-209155B/IS	1	APEX2/IS 5L Pump Single Charging Unit PCB S/A (Layout)	02	2017-08-16
04-209156C/IS	1	APEX2/IS – 5-Way Charging Unit G/A	02	2017-08-17
93-209157B/IS	1	APEX2/IS 5L Pump Five Way Charging Unit Circuit Diagram	03	2017-08-16
05-209159C/IS	1	APEX2/IS 5L Pump Five Way Charging Unit PCB S/A (Parts List)	02	2017-08-16



Page 4 of 7







Certificate of Conformity EX EQUIPMENT

Certificate No.:	ANZEx	17.3007	Current Issue: 2	Date of Iss	sue:	2024-08-15
	-				-	
Document/Drawing Number	Pages / Sheets	Document/Drawing Title		Revision	Date	
02-209158C/IS	1	APEX2/IS 5L Pump Five Way Charging Unit PCB Prof & Drill		01	2016-05-27	
05-209159C/IS	1	APEX2/IS 5L Pump Five Way Charging	APEX2/IS 5L Pump Five Way Charging Unit PCB S/A (Layout)		02	2017-08-16
09-209065B/IS	1	APEX2/IS - Main PO	CB Potting Frame		01	2016-09-05
09-209151B/IS	1	APEX2/IS - Display	PCB Potting Box		01	2016-09-05
13-209161A/IS (ANZEx)	1	APEX2/IS – Information/SN Label (ANZEx)		01	2017-09-07	
PS16/IS	1	Apex2 Pump Intrinsically Safe Versions (IS Information Sheet)		03	-	
02-209192B/IS	1	APEX2/IS 5L Pump Battery Pack PCB Profile & Drilled (Prismatic Cells)		01	2022-05-12	
03-209182C/IS	1	APEX2/IS - Battery Pack S/A (Prismatic Cells)		01	2021-12-07	
05-209193B/IS	1	APEX2/IS 5L Pump battery pack PCB S/A (Prismatic cells)		01	2022-05-12	
05-209193B/IS	1	APEX2/IS 5L Pump Battery Pack PCB S/A (Prismatic cells) (Parts List)		01	2022-05-12	
09-209180B/IS	1	APEX2/IS – Main P	CB Potting Frame		01	2022-06-28
93-209191C/IS	1	APEX2/IS 5L Pump (Prismatic cells)	Battery pack PCB CCT	Diagram	01	2022-05-12

Note: An * is included before the title of documents that are new or revised.



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Certificate of Conformity EX EQUIPMENT

Certificate No.:	ANZEx 17.3007	Current Issue: 2	Date of Issue:	2024-08-15			
Register of Issues and Variations includes the current issue							
Issue 0 dated 2017	<u>-10-11</u>						
Standards relevant	for this issue:						
IEC 60079-0: 2011	Explosive atmospheres	- Part 0: Equipment – Genera	al requirements				
IEC 60079-11: 2011	Explosive atmospheres	- Part 11: Equipment protecti	on by intrinsic safety "i"				
Test & Assessment	Reports relevant for this issue.						
TR No. & Issuing (QAR No. & Issuing	CBs: GB/CML/ExT gCB: GB/SIR/QAR	R 16.0085/00, GB/CML/ExTF 10.0002/06, Sira.	R 17.0158/00, CML				
File Reference:	2017/005784						
Issue 1 dated 2023 Variations included 1. Changed co 2. Updated the 3. Change to 0 4. Alternative 0 5. Change to 1 6. Change to 1 7. Changes to 8. Introduction 9. Changes to 10. Introduction 11. Additional s	-04-26 in this Issue ompany name from Casella (Ide e standard. connector type CTI for all PCB's Cs to incorporate alternatives ransistors to allow for alternative of Barometric pressure sensor battery pack PCB of Prismatic cell. afety components added.	eal Industries Ltd) to Case ves 3oM	lla Holdings Limited.				
12. Change to t	he component marking of non-	safety-related components	6				
Standards relevant	f <u>or this issue:</u>						
IEC 60079-0: 2017	Explosive atmospheres	- Part 0: Equipment – Genera	al requirements				
Test & Assessment TR No. & Issuing QAR No. & Issuing File Reference:	Explosive atmospheres <u>Reports relevant for this issue</u> . CBs: GB/CML/ExT GB: GB/SIR/QAR 2022/017687	- Part 11: Equipment protecti R21.0247/00, GB/CML/ExTR 10.0002/12, Sira	on by intrinsic safety "i" 22.0058/00, GB/CML/Ex	FR22.0135/00			
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Page 6 of 7

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Certificate of Conformity

Certificate No.:	ANZEx 17.30	07	Current Issue:	2	Date of Issue:	2024-08-15
Issue 2 dated as "I	Date of Issue abo	ve"				
Variations included	in this Issue	<u>.</u>				
	<u>III UIIS ISSUe</u>					
 The original BLE module is now obsolete and has been changed to a new part. An additional alternative conformal coating material. An additional alternative material for the rubber boot. In drawings 05-209143C/IS the following non safety components designs have changed. R103 and R122 pad change from size 0603 to 0402. R122 is not a safety component. Capacitors C105 and C119 are removed and C229 added. 						
Test & Assessment	Reports relevant f	or this issue:				
TR No. & Issuing (CBs:	GB/CML/ExTR	22.0242/00, GB/CMI	_/ExTR	24.0104/00: CML	
QAR No. & Issuing	g CB:	GB/SIR/QAR 1	0.0002/13, Sira			
File Reference:		2024/011022				



