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Quotation Number:	18534	Date:	08/12/2025
Job Number:	IN1375	Date:	16/12/2025

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ADDITIONAL:

Payment Terms:

50% / 50%

Other: please specify

 Penalty Clause Yes / **No**

Please specify:

Blue Book Completion:

Signed		Date	21/08/26
Verified		Date	21/08/26

Quotation

To: Isomed Portugal S.A. (Euro €)
 Rua Castelo Branco Saraiva 47-A/B, Lisbon
 1170-080 LISBOA
 PORTUGAL

VAT Reg No: PT 503877190

Quotation Date: 08/12/2025
Quotation Reference: 18534
Customer Ref:
Account Ref: ISO009
Quotation Validity: 08/03/2025

Quantity	Product Code	Product Description	Unit Price €	Net Price €
		Electronics Upgrade System: ABCA		
1	30202/1	System Controller Upgrade (Permanent Magnet)	20,000.000	20,000.00
1	30302/4	nEXT85 Turbo Pumping System Upgrade Single	8,937.500	8,937.50
1	WARR	1 year warranty	0.000	0.00
1	SHIPPING	Shipping Charges	500.000	500.00
1	INST	Installation and start up training at Customer's site Includes PM Service	10,400.000	10,400.00

This quotation is issued in: Euro

Price includes labour and accommodation charges along with routine parts which will be changed during the visit.

The price does not include any boards or major parts that may be required.

*Extra days will be charged for if required.

Total Net Amount € 39,837.50
Total VAT Amount € 0.00
Order Total € 39,837.50

**For the visit to take place please indicate below your agreement and email back to the Service Department:
 service@sercongroup.com or fax +44 (0)1270 252310**

Signed /

Date /

Payment Details:-

Payment is required within 30 DAYS of invoice date by bank transfer.
 All bank transfer charges are the responsibility of the customer.

Intra-community supply, subject to VAT in the country of acquisition.

Sercon Bank Details:-

National Westminster Bank, 36 High Street,
 Nantwich, Cheshire CW5 5GA U.K.

IBAN: GB14NWBK60721013806831
 SWIFT/BIC: NWBKGB2LXXX

Whilst we endeavour to ensure that the work carried out is to the best of our ability, it is important that you are aware that we cannot guarantee to resolve the problems within the time period you have purchased. Additional time may have to be purchased or in some circumstances instruments may have to be returned to the factory for further investigation. If this needs further explanation then please email/phone your contact at Sercon or the Service Department on +44 (0)1270 580008 or service@sercongroup.com.

Joanne Oconnor

From: Garry Armstrong
Sent: 09 December 2025 11:20
To: Joanne Oconnor
Subject: FW: IN1329 - ABCA Upgrade - Quotation 18534
Attachments: Quote 18534.pdf

Hi Jo,

Can you please invoice the attached quote as they would like below and send to the customer?

Thanks

Garry Armstrong

Director

Sercon Limited
Europa House
Coppicemere Drive
Cheshire
CW1 6GZ
UK

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innovators in isotopes
www.sercongroup.com

Registered in England and Wales No 4290072

Registered Office: Europa House Coppicemere Drive Cheshire CW1 6GZ UK

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From: ANTÓNIO MÁRIO SANTOS <santosbox@netcabo.pt>
Sent: 04 December 2025 12:43
To: Garry Armstrong <garry.armstrong@sercongroup.com>
Subject: Re: IN1329 - ABCA Upgrade - Quotation 18534

Hi garry!

3 - MACHINE SPECIFICATION

Client:	Isomed Portugal S.A.		
Quotation Number:	18534	Date:	08/12/2025
Job Number:	IN1375	Date:	16/12/2025

Ref No.	Product Description	Required
HS2022 (continuous flow)		
20402/1	HS2022 Ref Gas + P Mag	
20402/2	HS2022 Ref Gas + E-Mag	
20402/3	HS2022 Ref Gas + Hd Collector + E-Mag	
20402/4	HS2022 Ref Gas + Hd Collector+E-Mag+Trap Loop	
20501	Hd Collector Assy ***	
50101/2	Trapping Loop Assy	
70201-1	70201-1 Analyser spares kit – Included	
EA Units		
10202/11	iso-EArth	
10202/13	iso-EArth+	
10202/14	iso-Earth HT Furnace Upgrade	
10202/15	Iso-Earth (Without Autosampler)	
11802/1	Earth+PC	
11802/2	EArth+Clarity+PC	
70501-1	Consumables for C and N for Combustion Only	
70501-11	Simultaneous CNS Consumables Kit (approx. 10000 analysis)	
70501-3	Sample Prep Kit (Inc.)	
70501-4	GSL Combustion and Gas C & N Start Up Kit	
70501-5	Simultaneous NCS Consumables Kit	
70501-6	C&N Combustion Only Consumables Kit (approx. 5000 samples)	
70501-8	Simultaneous CNS Consumables Kit (approx. 5000 samples)	
70601-1	Sulphur Start Up Kit (Inc. with Sercon EA Systems)	
70601-2	Sulphur Consumables Kit for 1000 Samples	
70601-4	Sulphur Consumables Kit (approx. 5000 Samples)	
70801-2	Pyrolysis Consumables Kit-Low temp for Solids	
71701-1	Sub Microgram Nitrogen Analysis Start Up Kit	
SI2040	PN150 Pneumatic Autosampler with one no.50 pos, carousel	
SI2345	ME Micro Balance	
SI2737/A	Sercon 50 Position Autosampler Assy	
SI2789	Extra 50 Position Carousel	
SI2744	Automatic Liquid Sampler 15 Position	
SI2743	Liquid Sampler Mounting Plate	
Headspace Equilibration		
10202/10	XYZ Gas Sampling Control Box	
10302/1	Aqua System	
11103	µCarbs for CF	
11103-1	µCarbs for DI	
11601	200 Place Dual Heated Block 240 Volt	
11801	Sercon XYZ Gas Autosampler	
71107-1	CF oxygen-18 equilibration kit	
71107-2	DI Oxygen-18 Equilibration kit	
71201-1	CF deuterium equilibration kit	
71201-2	DI Deuterium Equilibration kit	
71801-1	WES-DI start up kit (Inc. with WES-DI)	
GC Units		
10402/2	Orchid module 1500C (Will run Hd 70901-1 C Spares Kit Inc)	
10901	Nitrogen Option (71301-1 N Spares kit Included)	
HP7890/1	Agilent 7890B GC System	
HP7890/2	Agilent 7890B GC with Auto Injector	
HP7890/3	Agilent 7890B GC + Auto Injector + 150 Vial Sample Tray	
SI2561	Nexis GC 2010 Plus	

Ref No.	Product Description	Required
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S027_v11

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*** When ordered alone IN no. / Blue book NOT required

3 - MACHINE SPECIFICATION

Client:	Isomed Portugal S.A.		
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GC Units *continued*

SI2564	Nexis GC-2030	
70901-3	GC Pyrolysis H and O Start Up Kit	
70901-4	GC Pyrolysis H Spares Kit	
70901-5	GC Combustion C Spares Kit (approx. 5000 samples)	
70901-6	GC Pyrolysis h Start Up Kit (approx. 5000 samples)	
71301-1	GC N Spares kit	

ABCA2 Units

10502/1	ABCA2 Sercon XYZ Autosampler	
10602	ABCA2 Gas Box	
20602	Complete Sercon ABCA2 system	
20603	ABCA IR Analyser	
70101-1	ABCA2 spares kit (<i>Inc. With ABCA2</i>)	
70101-2	ABCA2 Spares Kit for AB Analitica Systems	
70101-3	ABCA2 Autosampler Upgrade Kit	
SI1767	CVL505 – Barcode Reader	
SC9973	13C Urea breath test kit for Helicobacter pylori infection	
SC9974	Helicobacter Test kit for children age 3-11 (45mg)	

Integra2 Units

20802/4	Integra2	
70201-2	Integra2 analyser spares kit - Included	
70401-1	Integra-2 consumables (<i>Inc. With Integra2</i>)	

Trace Gas Systems

10802/4	CryoPrep	
10802/5	Automated LN refiller	
10802/6	CryoFlex (TOC)	
10802/7	CryoGas	
10802/8	CryoFlex (LA)	
SI2533	Silicon Carbide Vertical Furnace	
SI2731	213nm Laser Ablation System	
SI2733	isoScell 100 sampler chamber	
71001-1	Cryoprep Spares Kit	
71001-5	CryoGas Consumables Kit	

TOC Units

14001	Thermalox Environmental TOC-IRMS	
14002	Thermalox Environmental TOC-Standalone	
14003	Thermalox Environmental TOC-Standalone No Sampler	
SI2772	CO2 Detector, High sensitivity Option	
SI2773	NOx detector Option	
SI2774	Vacuum pump Option	
SI2775	Stirred Vial rack Option	
72101-1	TOC Start Up Kit	
72101-2	TOC Chem Pack	
72101-3	TOC & TN Instrument with heavy usage - one year	
72101-4	TOC only - economy holding	

GEO 20-22 (dual inlet)

10702	GEO 20-22 Water Equilibration System (D & 18O)	
21802/1	GEO 20-22	
21802/2	GEO 20-22 + E-Mag	
21802/3	GEO 20-22 + E-Mag +Hd	
21802/4	GEO 20-22 Inlet	

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70301-1	GEO start up kit - Included	
70301-3E	Comprehensive GEO 20-22 spares kit for 5 years operation	
HT-EA		
11501/4	HT-EA (With Autosampler)	
11501/5	HT-EA With Liquid Option	
11501/6	HT-EA Stand Alone	
11501/7	HT-EA (Without Autosampler)	
SI2622	CTC PAL3-LSI-L-S	
SI2624	CTC PAL3-Kit-Standalone	
70801-1	Pyrolysis Consumables Kit-High Temp for Solids	
71501-1	HT-EA Pyrolysis Start Up kit O and H	
71501-2	HT-EA Pyrolysis Kit for Water injections	
71501-3	HT-EA Sensitivity Start Up Kit for O & H in small samples	
71501-4	HT-EA Sensitivity Consumables Kit for O & H in small samples	
71501-5	HT-EA Sensitivity Kit for O&H in Small Samples (5000 samples)	
71501-7	HT-EA Kit for Room Temp Equilibration	
71501-8	HT-EA Pyrolysis Kit for Water injections (approx. 1 year kit)	

Ref No.	Product Description	Required
Upgrades		
12101	Evacuation System ***	
12102	2 Ref Gas+ Dilutor Box ***	
20101	Standard Source Assy ***	
20102	HS Source Assy ***	
20301	Standard Collector Assy ***	
30202/1	System Control Upgrade (Pmag) installation not included	Edwards Or Pfeiffer ✓
30202/2	System Controller Upgrade (Emag) installation not included	Edwards Or Pfeiffer
10202/7	Preparation PCB Upgrade	
30202/3	Hijack Box ***	
30302/4	nEXT85 Edwards Pumping System Upgrade Single - installation not included	✓
30302/5	nEXT85 Edwards Pumping System Upgrade Dual - installation not included	
30302/6	nEXT85 Edwards Pumping System Upgrade Triple- installation not included	
SI2542	ABCA2 Upgrade Kit	
CALLISTOW	Callisto software upgrade ***	
Specials		
11702	LC-I interface	
12202	Leco Interface Unit	
SI2320	Agilent 1260 Series Refractive Index Detection HPLC System	
71401-1	ABCA-G Start Up/Spares Kit	
71401-2	ABCA-G Equilibration Spares Kit - Room temp O only	
71401-3	ABCA-G Equilibration Spares Kit - Room Temp O & H	
71601-1	LC Interface Spares Kit	
ADDITIONS		
PC	Windows 7 based PC System with Callisto Software	
Printer	Printer	
INST1	Installation and start up training at customer's site by Sercon Engineer	
INST2	Installation and start up training at customer's site by Agents Engineer	
WARR	1 year warranty	
WARR2	2 year warranty	
TRAIN	Training in UK for one person for 3 days	
SCONTRACT	Maintenance Service Contract - 1 year	
SPECIFICATION REQUIREMENTS		
Voltage	Volts 50/60Hzs	

3 - MACHINE SPECIFICATION

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Plug Type	SI2510	3 Metre USA/Japan plug to IEC C 13	
	SI2511	2.5 Metre Australian plug to IEC C 13	
	SI2512	3 Metre UK 13 amp Fused plug to IEC C 13	
	SI2523	3metre Schuko (Euro) Plug to IEC C13 Socket	
	SI2514	2.5 metre Chinese mains to IEC C13	
Pallet	Stamped for export heat treated for 30 min @ 56 °C		
	Complies with all Export Requirements		

4 - LOG SHEET

Client:	Isomed Portugal S.A.		
Quotation Number:	18534	Date:	08/12/2025
Job Number:	IN1375	Date:	16/12/2025

[illegible]

Date	Action Taken	By Whom
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4 - LOG SHEET

Client:	Isomed Portugal S.A.		
Quotation Number:	18534	Date:	08/12/2025
Job Number:	IN1375	Date:	16/12/2025

[illegible]

Client:	Isomed Portugal S.A.		
Quotation Number:	18534	Date:	08/12/2025
Job Number:	IN1375	Date:	16/12/2025

[illegible]

6: SYSTEM CONTROLLER TEST REPORT

Client:	Isomed Portugal S.A.		
Quotation Number:	18534	Date:	08/12/2025
Job Number:	IN1375	Date:	16/12/2025

Serial Number:	20250018	Instrument Configuration:	ABCA2
Tested By:		Date:	07/01/2026

Initial Tests

Initial communication with PC	Initials: TI	Date: 07/01/2026
Turbo speed readbacks respond	Initials: TI	Date: 07/01/2026
Pressure trip limits are set and respond	Initials: TI	Date: 07/01/2026
Vacuum gauges readbacks respond to changes in pressure	Initials: TI	Date: 07/01/2026
Filament switches on and regulates normally	Initials: TI	Date: 07/01/2026
All source readbacks match and respond to changes in set values	Initials: TI	Date: 07/01/2026
E Magnet limit is set and readbacks follow set values (if appropriate)	Initials: N/A	Date: -
Valve banks respond (ensure all appropriate banks are checked)	Initials: TI	Date: 07/01/2026
Flow meters respond appropriately	Initials: N/A	Date: -
Gas pressure gauges respond appropriately	Initials: N/A	Date: -
N ₂ and CO ₂ peaks and stability are good	Initials: TI	Date: 07/01/2026
HD system VFC fitted and tested (if appropriate)	Initials: N/A	Date: -
All cables, boxes and equipment have been packed	Initials: SM	Date: 07/11/26

System Controller Sign Off

Ensure all boxes are filled in, signed and Dated as appropriate. If a test is not applicable the mark the associated boxes with N/A (not applicable)

Tests Completed By:		Date: 7/11/26
Dispatched By:		Date: 7/11/26

6 - TEST / ACCEPTANCE SPECIFICATION

Customer:	Isomed Portugal S.A.		
Quotation Number:	18534	Date:	08/12/2025
Job Number:	IN1375	Date:	16/12/2025

HS20-22

Reference Gas Precision (n=5) x5 Ref gas pulses of 5 seconds to be used.

¹³ C	(CO ₂)	0.06	
¹⁵ N		0.06	
¹⁸ O	(CO ₂)	0.06	
³⁴ S	(SO ₂)	0.1	
² H		0.4	

Reference Gas Linearity ref gas pulses ranging from 1-second trough to 10 seconds

¹³ C	≤0.02‰/nA STD Deviation <0.30	
¹⁵ N	≤0.02‰/nA STD Deviation <0.30	

IsoEarth & PyroEarth

Combustion (n=5) (For NCS use 0.3mg of Cystine) (Pyrolysis use silver caps) 0.4mg of Cystine for ¹⁸O and 4 mg of Cystine for H₂

¹³ C	100 µg C	0.1		10 µg C	0.8	
¹⁵ N	100 µg N	0.15		10 µg N	1.5	
³⁴ S	25 µg S	0.3		10 µg S	1.0	
Dual	400 µg C	0.1		100 µg N	0.15	
¹⁸ O	100 µg or 1 µl water	0.3				
² H	200 µg H or 1 µl water	1.0				

6 - TEST / ACCEPTANCE SPECIFICATION

Customer:	Isomed Portugal S.A.		
Quotation Number:	18534	Date:	08/12/2025
Job Number:	IN1375	Date:	16/12/2025

EArth

Solid specs to be completed using 2mg methionine calibration against 1,2,3mg (n=3) cystine. Combustion (n=5)

		Accuracy (avg)	Precision (std dev)
¹³ C		+/- 0.4%	0.2
¹⁵ N		+/- 0.4%	0.2
² H		+/- 0.4%	0.2
³⁴ S		+/- 0.4%	0.2
¹⁸ O	Pyrolysis	+/- 0.4%	0.2

Liquid injections n=5 using 5µl methanol calibrated against 2,4,6µl injections of ethanol

		Accuracy (avg)	Precision (std dev)
¹⁸ O	Pyrolysis	+/- 0.4%	0.2

Integra2

Specs to be completed using AS beet mix 400C/100N for precision & 250C/100N for linearity

¹³ C	100 µg C	0.2	
¹⁵ N	100 µg N	0.3	
Dual	100 µg N & 400 µg C	0.4 & 0.15	
³⁴ S	30 µg S	0.5	
¹⁸ O	100 µg O	0.5	
Dual	100 µg N & 250 µg C	0.5	

HT-EA (Pyrolysis use silver caps)

0.4mg of Cystine for ¹⁸O and 4 mg of Cystine for H2

Pyrolysis (n=5)

¹⁸ O	100 µg O or 1 µl water	0.3	
² H	200 µg H or 1 µl water	1.0	

6 - TEST / ACCEPTANCE SPECIFICATION

Customer:	Isomed Portugal S.A.		
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Aqua, μ Carbs & GasBox

Equilibrations (n=5)

^{18}O	0.2 ml water	0.1	
^2H	0.2 ml water	2.0	

Carbonates (n=5)

^{13}C	100 μg CaCO_3	0.08	
^{18}O	100 μg CaCO_3	0.1	

Gas Analysis (n=5)

^{13}C	5% CO_2	0.1		Air CO_2	0.1	
^{18}O	5% CO_2	0.1		Air CO_2	0.2	
^2H	0.5 ml H_2	1.5				
^{15}N	0.5 ml N_2	0.1		100 ppm N_2O	0.5	
^{13}C	Breath (12 ml)	0.1				

DIC (n=5)

^{13}C	15ppm (0.5ml)	0.15	
-----------------	---------------	------	--

LC-I

(n=5)

^{13}C		0.2	
-----------------	--	-----	--

GC Orchid

Combustion (n=3 for each analyte)

^{13}C	3 Alkanes	100 ng C	0.2		10 ng C	0.5	
^{15}N	2 Amines	100 ng N	0.5		14 ng N	1.5	

6 - TEST / ACCEPTANCE SPECIFICATION

Customer:	Isomed Portugal S.A.		
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Pyrolysis (n=3 for each analyte)							
² H	3 Alkanes	250 ng H	3.0		25 ng H	10.0	
¹⁸ O	3 FAMES	100 ng O	0.5		20 ng O	2.0	
Water pyrolysis (n=5)							
² H	0.1 µl water	3.0					
¹⁸ O	0.1 µl water	0.4					

CryoRange							
(n=5)							
¹³ C	Air CO ₂ (12ml)	0.1		Air CH ₄ (125ml)	0.2		
¹⁵ N	Air N ₂ (1ml)	0.1		Air N ₂ O (125ml)	0.4		
¹⁸ O	Air CO ₂ (12ml)	0.15		Air N ₂ O (125ml)	0.7		
¹⁸ O	Air O ₂ (1ml)	0.1					
² H	Air CH ₄	3.0					
¹³ C	TOC (5ppm)	0.4					
¹³ C	Laser						

Geo2							
Internal precision (no change overs)							
² H	200 Bar µl	0.15					
¹³ C	100 Bar µl	0.01					
¹⁵ N	100 Bar µl	0.01					
¹⁸ O	100 Bar µl	0.015					
³⁴ S	100 Bar µl	0.015					
Single cold finger volumes (10 change overs)							

6 - TEST / ACCEPTANCE SPECIFICATION

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¹³ C	20 Bar µl	0.01	
¹⁸ O	20 Bar µl	0.015	
¹³ C	3 Bar µl	0.02	
¹⁸ O	3 Bar µl	0.03	
CAPS (n=5)			
¹³ C	50 µg CaCO ₃	0.03	
¹⁸ O	50 µg CaCO ₃	0.06	
WES (n=5)			
² H		1.0	
¹⁸ O		0.05	
Manifold (10 tubes)			
² H		0.5	
¹³ C		0.02	
¹⁵ N		0.02	
¹⁸ O		0.03	
³⁴ S		0.03	

Special tests			



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Tel: +44 (0)1270 580008
Company Registration No. 4290072 Vat No. 771 1100 74

Test acceptance - 6

6 - TEST / ACCEPTANCE SPECIFICATION

Customer:	Isomed Portugal S.A.		
Quotation Number:	18534	Date:	08/12/2025
Job Number:	IN1375	Date:	16/12/2025

Sales Signature:	Date:
Test Signature:	Date:

7: ASSEMBLY AND TEST RECORD

Client:	Isomed Portugal S.A.		
Quotation Number:	18534	Date:	08/12/2025
Job Number:	IN1375	Date:	16/12/2025

PRODUCT:

30302/1 - System Controller Upgrade

SERIAL NUMBER:

30302/1-2026/IN1375

 ASSEMBLED:
 (Name)



Date: 06/01/2026

 PRE-TEST
 INSPECTION:
 (Production name)



Date: 06/01/2026

 PRE-TEST
 INSPECTION:
 (Test name)



Date: 06/01/2026

 SYSTEM TEST:
 (Name)



Date: 07/01/2026

 PRE-DESPATCH
 INSPECTION:
 (Name)

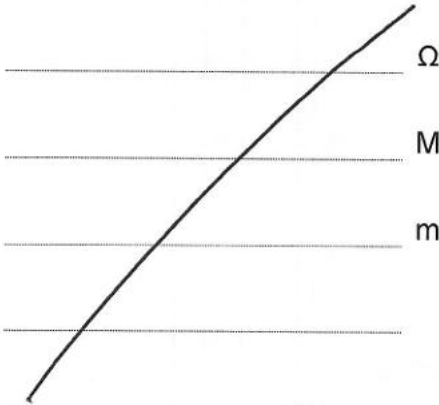


Date: 23.01.26

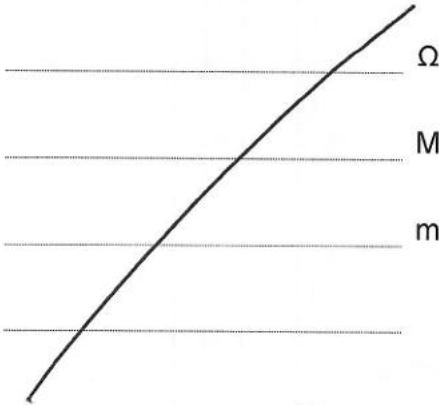
P.A.T. Test results

 In compliance with Low Voltage directive 73/23/EEC
 To Low Voltage standard EN61010 - 1:1993

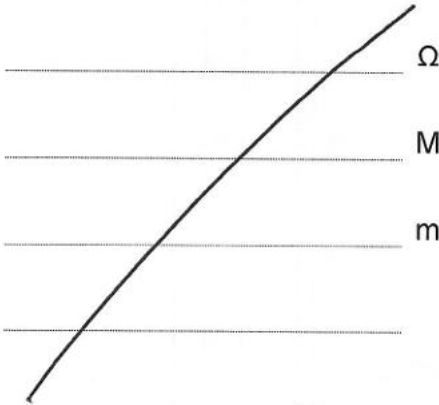
Earth Continuity


 Ω

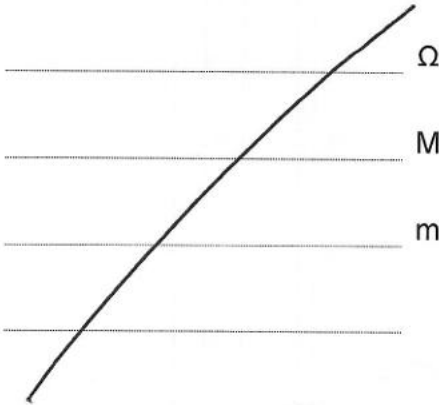
Insulation


 MΩ

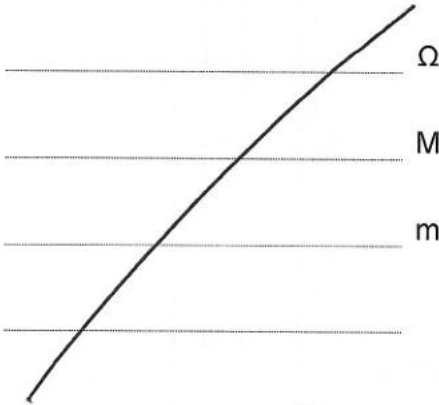
Earth Leakage Current


 mA. @ _____ kVA.

Tested by:



Date:



8 - Serial Numbers Record Document

Client:	Isomed Portugal S.A.		
Quotation Number:	18534	Date:	08/12/2025
Job Number:	IN1375	Date:	16/12/2025

Units	S/N
MS/ABCA	
Integra 2	
Prep Unit 1	
Prep Unit 2/Misc	
Electronics Upgrade	
CETAC	
Gas Box	
Autosampler	
BCR	
Dual Heater Block	

Pump Kit and Optics	S/N
Turbo pump S	250792400
Turbo pump A	
Rotary Pump	
Voltage	110 / 240
Gauge S	
Gauge A	
Source	
Collector 1	
Collector 2	
Magnet	

Parts	S/N
Fan PSU	
24V PSU	

PCBs	S/N
Electronics Box	20250018
Prep PCB	
VFC PCB	
Watchdog PCB	
Head Amp PCB 1	
Head Amp PCB 2	
Electromagnet RP	

Furnaces	S/N
Combustion	
Reduction	
HT-EA	
GC Oven	
Furnace 1	
Furnace 2	

PC	S/N
PC	5L9K004
Monitor	9Y61374
Printer	

Key

Pumps:	E: Edwards P: Pfeiffer
Furnaces:	V/S: Vecstar E: Elite
Magnet:	E: Electromagnet S: Standard
Turbos & Gauges:	S: Source A: Analyser
Collectors:	Std: Standard S: Sulphur HD: Hydrogen Deuterium

Additional System Info:

8 - Serial Numbers Record Document

Client:	Isomed Portugal S.A.		
Quotation Number:	18534	Date:	08/12/2025
Job Number:	IN1375	Date:	16/12/2025

<u>Units</u>	<u>S/N</u>
MS/ABCA	
Integra 2	
Prep Unit 1	
Prep Unit 2/Misc	
Electronics Upgrade	
CETAC	
Gas Box	
Autosampler	
BCR	
Dual Heater Block	

<u>Pump Kit and Optics</u>	<u>S/N</u>
Turbo pump S	
Turbo pump A	
Rotary Pump	
Voltage	110 / 240
Gauge S	
Gauge A	
Source	
Collector 1	
Collector 2	
Magnet	

<u>Parts</u>	<u>S/N</u>
Fan PSU	
24V PSU	

<u>PCBs</u>	<u>S/N</u>
Electronics Box	
Prep PCB	
VFC PCB	
Watchdog PCB	
Head Amp PCB 1	
Head Amp PCB 2	
Electromagnet RP	

<u>Furnaces</u>	<u>S/N</u>
Combustion	
Reduction	
HT-EA	
GC Oven	
Furnace 1	
Furnace 2	

<u>PC</u>	<u>S/N</u>
PC	
Monitor	
Printer	

Key

Pumps:	E: Edwards P: Pfeiffer
Furnaces:	V/S: Vecstar E: Elite
Magnet:	E: Electromagnet S: Standard
Turbos & Gauges:	S: Source A: Analyser
Collectors:	Std: Standard S: Sulphur HD: Hydrogen Deuterium

Additional System Info:

Packing List

Customer Reference: PO516034

Shipper / Exporter:

Sercon Limited
Europa House
Coppicemere Drive
Crewe
CW1 6GZ
UK

Consignee:

Isomed Portugal S.A.
Rua Castelo Branco Saraiva
No 47A
1170-080 Lisboa
Portugal

Tel: +44 (0)1270 580008
Reference: IN1375

Contact Name: António Mário Santos
Contact Tel Number: 00351 21 7941541

BOX: 1

Quantity	Product Code	Product Description	Serial Number: if available
☒	1	SI0961 System controller	
☒	1	SI2574 Electronic box	20250018
☒	1	SI2918 PC with type C mains cable	5L9KOD4
☒	1	SI2391 Monitor with type C mains cable	9YGIB74
☒	1	SI2519 Edward's turbo	250792400
☒	1	SI2520 Edwards cooling assembly	
☒	1	SI2521 Vent valve	
☒	1	SI2522 Edwards Y adaptor	
		Electronics upgrade cable box	
		- Source cable	
		- Flow sensor cable	
		- Gauge cable	
☒	1	- Extra ribbon cable	
		- Pump switch cable x2	
		- Mains cable type C x2	
		- Head amp cable	
		- Valve converter ribbon cable	
		Single pump upgrade accessory's	
		- M8 Allen key	
☒	1	- M8 Allen key	
		- M8 turbo bolts x16	
		- Cable tie	
		- Sticky tie bases	
		- Copper gasket	
☒	1	Pumps power supply	
☒	1	Power mains cable	
☒	1	Single pump cable and wire length	

Packed by: 

Date: 23/01/2026

Claims for damage or shortages must be made within 3 days

Works Order Picking List

Date: 19/12/2025

Time: 13:10:20

Works Order: WO02588
Stock Code: 30302/4
Description: nEXT85 Turbo Pumping System Upg
Qty Required: 1.00 Each
Qty Outstanding: 1.00
Plan Period: WK50/2025
Due Date: 01/01/2026

Stock Code / Description **Qty to Pick** **Unit** **Location** **Qty Picked / By**
Manufacturing Instructions: IN1375 - Isomed Portugal

SI2519 nEXT85 Turbomolecular Pump	1.00	Each	B-RACK R	1
SI2520 AXC85 Air Cooler	1.00	Each	B-RACK R	1
SI2521 N/O TAV5 vent valve	1.00	Each	B-RACK R	1
SI0794 Female NiPt D Screwlock assembly, 13mm	4.00	Each	Carousel B-1	4
SI0632 15 Way D Hood	2.00	Each	Carousel B-3	2
SI0648 M3x13mm Nylon Pillar Male-Female,	2.00	Each	Carousel C-1	2
SI0570 15 way Solder Contact ZD skt 5A 400 Vac	4.00	Each	Carousel D-3	4
SI0756 Connector, Crimp Terminal, Adaptor, Male-Male	4.00	Each	D-W1	4
SC0032A Copper Gasket DN63CF Pk/1	2.00	Each	P-A3	2
SI1808 15 Way D Hood (for ABCA)	2.00	Each	Production	2
SI0960 IEC Cord - Plug	1.00	Each	Stores A-2	1
SI0508 24V PSU - Add Finger Cover	1.00	Each	Stores A-8	1
SI2522 Accessory "Y" adaptor	1.00	Each	Stores G	1

All items picked and packed as marked:

Date: ____/____/____ Signed: _____

Stock Allocated, Issued, Completed:

Date: ____/____/____ Signed: _____

11 – Installation Report

Client:	Isomed, Portugal		
Quotation Number:	-----	Date:	-----
Job Number:	IN1375	Date:	-----

Contact:	Mr. Antonio Mario Santos		
Date of Visit:	23-27.3.,28-30.4.,20-22.5,25-26.5	No. of Days:	10
Engineer:	Robert Kameny		

Details of visit:

23-27.3.2026

- Start of the work
- Turbo pump upgraded
- Unable to establish the comms (suspected faulty micro-PCB)
- Slow progress, insufficient/wrong written guides/notes
- Unable to complete the job due to insufficient amount of stock, need to return back to UK

28-30.4.2026

- Returned back with new pumps cable and new micro-PCB
- Turbo pump upgrade completed, pumps on running
- Still unable to establish the comms between system controller and the PC
- Requested another micro-PCB to be shipped urgently via DHL

20-22.5.2026

- New PCB base arrived but noticed that the connector is a different type. Requested another immediate shipping
- Att. Engineer involved in car accident whilst taking taxi ride, suffered minor whiplash, no emergency required, rest of the day off
- Ordered a kit of connectors from Amazon with micro connectors, unfortunately none of them were correct type
- Converter cable arrived from UK arrived 22.5. pm

25-26.5.

- Valve connections re-arranged
- Software events re-arranged
- Service actions: filament, syringe o rings, H2O trap
- Post maintenance specs: satisfactory
- Additional training: as required

Recommendations:

- Re-location of the instrument into larger facility

Faults and Shortages:

- Incorrect parts/ insufficient support material

11 – Installation Report

Client:	Isomed, Portugal		
Quotation Number:	-----	Date:	-----
Job Number:	IN1375	Date:	-----

Follow up:	
N/A	
Engineer: Robert Kamený	Date: 16.6.2026
Signed: 	ANTÓNIO MÁRIO DE JESUS SANTOS
	Assinado de forma digital por ANTÓNIO MÁRIO DE JESUS SANTOS Dados: 2026.06.18 10:18:09 +01'00'

12 – Installation Acceptance and Warranty Certificate

Client:	Isomed Portugal		
Quotation Number:	-----	Date:	-----
Job Number:	IN1375	Date:	-----

Contact:	Mr. Antonio Mario Santos
System:	30202/1- System Controller Upgrade (Permanent Magnet)
Software:	ABCA Breath Analyser 600.0.115
Engineer:	Robert Kameny
Installation Date:	26.5.2026

Warranty commences:	26.5.2026
Warranty Expires:	25.5.2027

Customer Acceptance:

Name:

ANTÓNIO
MÁRIO
DE JESUS
SANTOS

Assinado de
 forma digital por
 ANTÓNIO MÁRIO
 DE JESUS SANTOS
 Dados: 2026.06.18
 10:22:38 +01'00'

Date:

Notes:

Engineer's Signature:

On behalf of Sercon Limited

Name:

Robert Kameny

Signature:

Kameny R.

Date:

16.6.2026