



AUDION

Packaging Machines

Together we make the perfect package

Power Sealer Plus

**Validatable
Vacuum Impulse Sealer**

**VAC PSR PLUS
Bag-in-box IP65**

**Equipped with:
Audion Touch Techware
Version PS7.08**

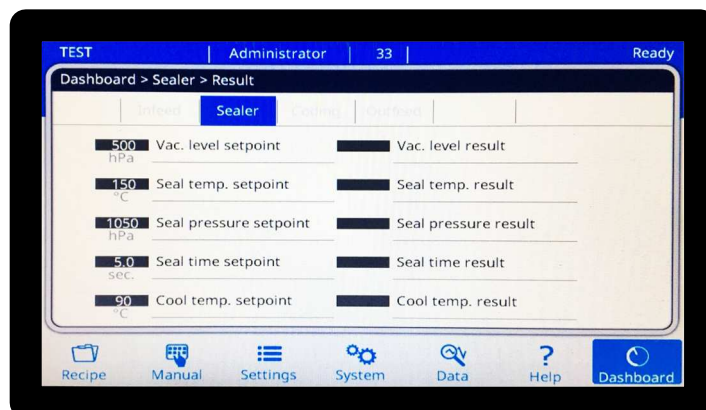
**Technical
Specification Sheet**

Rev.00

General specifications	
Type of machine	Validatable vacuum impulse sealer
Models	VAC PSR PLUS Bag-in-box IP65
Machine dimensions WxDxH	1869 x 1111 x 1753 mm
Weight	290 kg
Seal length	1720 mm
Seal width	8 mm
Seal system	Bi-active seal, flat seal
Control system	Audion Touch Techware Equipped with Audion Temperature Controller (ATC) + 7 inch touchscreen (ADC)
Vacuum system	Busch centrifugal pump
Covering	Stainless steel
Power supply	115 V – 1ph – 50/60Hz 230 V – 1ph – 50/60Hz
Power consumption	2200 W
Pneumatic supply	0.6 MPa (min) – 1.0 MPa (max)
Noise level	≤ 85 (dB(A))
Applicable standards	ISO 11607-2 / ISO/TS 16775 / EN 868-5 / DIN 58953-7



Software specifications		
Recipe	Storage	50 recipes
	Recipe backup (.bin file through USB stick)	Copy recipe to USB Load recipe from USB
Process parameters	Vacuum time Setting range	0.1 – 120.0 sec.
	Seal temperature Setting range Tolerance range Accuracy	100 – 200 °C 0 – 20 °C (default 5 °C) +/- 3°C or +/- 2% (whichever is larger)
	Seal force Setting range Tolerance range	600 – 1200 N 0 – 150 N (default 100 N)
	Seal time Setting range	0.8 – 10.0 sec.
	Cooling temperature Setting range	50 – 150 °C
Adjustable parameters	Fine tuning for calibration	Seal temperature Seal force
Validation functions	Parameter monitoring (alarm stop)	Seal temperature Seal force Effective seal time Cooling time
	Data logging (.csv file through USB stick)	Machine ID Alarm limits Login level Date/time Recipe name Seal ID Batch number Parameters results Parameter settings Pass/fail Parameter tolerance Alarm code
System & functions	Login level	Operator Supervisor (password access) Administrator (password access)
	Language	English Netherlands German French Italian Japanese Czech Chinese
	Alarm history	Date/time Alarm code/descriptions
	Counter	Bag counter (resettable) Machine counter (non-resettable)



Hardware configuration	Codes	Descriptions
Support	SPM-CONF	Motorized support in stainless steel
	PSR SPM WL EP 1720	Wider legs to place the support legs around euro pallet Additional option for SPM-CONF
Bag support	BSP 1720	Bag support in stainless steel Additional option for SP / SPM-CONF
Nozzle	WNOZ 1720	Wider vacuum nozzle 135 mm wide / 160 mm from vacuum rubber
Pump		Busch centrifugal pump SAMOS SB 0080 D2
Filter	PF PSR 1720	Powder filter for WNOZ
External air exhaust	PSR EXH COMPL 1720	External air exhaust from Venturi and pneumatics (valves and cylinders)
Bag stretching	BST A WNOZ 1720	Adjustment for BST in combination with WNOZ (wide nozzle)
Vacuum height control	VHC	The vertical position of the sealer can be controlled to optimize vacuum process.


Options	Codes	Descriptions
Nozzle	PES	Particle ejection system
Filter	QCS	Quick cleaning system for powder filter
Barcode scanner	BCSC	Quick recipe change by scanning a barcode Scanner : Honeywell Voyager 1400g
Labeller	LBL	For printing tracing information on labels and apply on bags Label printer : CAB MACH2
	LP SP	Labeller platform on support
Software options	MPE	Maximum permissible error (parameter uncertainty)
	SW-UA	User admin (access control with login ID and password)
Power cable plug	PPUK	Power plug for UK
	PPCH	Power plug for Switzerland
	PPUS	Power plug for USA / Japan
	PPCN	Power plug for China

Accessories / Services	Codes	Descriptions
Parameter verification	ATM	Seal temperature verification set
	AFMR	Seal force verification set
Calibration	SERVKAL PSRPLS AE	Audion factory calibration
IQ/OQ Check	IQ/OQ VAL	1 x IQ check for 1 machine > Operation training (max. 4 persons) > Maintenance training (max. 4 persons) OQ check for 1 type of bag > Peel test for defining seal temperature > Peel test with defined seal temperature > Dye penetration test > Seal check
	OQC	Extra OQ check for each extra bag
Seal integrity test	SIT	Seal integrity test service > Peel test > Dye penetration test > Seal check
	APT 100	Peel tester
	ASC SHEET	Seal check sheet
	ASC ROLL	Seal check sheet in roll
	ASC INK-B	Blue ink for dye penetration test

Data logging file

AUDION ELEKTRO LOG FILE										
Machine ID:	ETO19048									
Username:	APS									
Recipe:	TEST									
Batch:	ABC12345									
		Seal Time	Monitored eff. seal time	Seal Temp	Seal Force	Cool Temp	Monitored cool time			
	Setpoint	2		140	850	80				
	TOL			10	100					
	UAL		3.5	150	950		10			
	LAL			130	750					
Date&Time [YYYY-MM-DD hh:mm:ss]	Seal ID	Seal Time	Monitored eff. seal time	Seal Temp	Seal Force	Cool Temp	Monitored cool time	Pass/Fail	Alarm Code	
2019/10/4 14:28	38	2	3.1	140	857.6	80	7.9	Pass		
2019/10/4 14:29	39	2	3.1	139.8	862.1	80	7.8	Pass		
2019/10/4 14:31	40	2	3.1	139.8	858	80	8	Pass		
2019/10/4 14:32	41	2	3.2	139.9	742.7	80	7.9	Fail		30

Labeller



Type	VMS 333 VAL
Mach ID	ETD20055
Username	
Recipe	SEAL160
Batch nr.	InIt

Date (YY - MM - DD)	21 - 02 - 17
Time (HH:MM:SS)	11:08:29
Seal ID	15
Pass/Fail	Pass
Alarm nr.	

Measuring instruments for parameter verification

Seal temperature



ATM

- Measurement range: -50°C to 260°C
- Resolution: 0,1°C (up to 199,9°C) / 1 °C (above 200°C)
- Accuracy display unit: 0.3% of reading + 1°C
- Accuracy sensor: +/- 2,2 °C or +/- 0,3% of measurement (whichever is larger)
- Measuring rate: 2,5 per second
- Minimum and maximum values readable
- Operating conditions: +5 ... 50 °C, 30 – 70% RH (non-condensing)
- Power supply: 9V battery
- Battery life: +/- 100 hours
- Dimensions: 63 (W) x 186mm (L) x 40mm (D)
- Weight: 350 grams

Seal force



AFMR

- Measurement range: max. 2000 N
- Resolution: 0,1 N
- Accuracy class: 0,5 %
- Operating temperature range: -10 ... +50 °C
- Max. Overload: 120%
- Measuring rate: 50 per second
- Power supply: 3x AA batteries
- Battery life: +/- 40 hours
- Environmental protection: IP 54
- Dimensions: 82mm (W) x 162mm (L) x 54mm (D)
- Weight: 670 grams (excluding mounting tools)