



Calibration Certificate Selectra Proxs

Customer Name : Erode Diagnostic Laboratory

Address : Erode

Instrument Model : Selectra proXS

Date Of Callbration : 09/03/2020

Make : France

Callbration Due : 08/03/2021

Serial No : 14-9429

Power supply	Expected voltage	Measured Voltage	
Phase to Neutral :	115v -240v	230v	
Neutral to earth :	Below 5v	2v	
Earth to phase :	115v -240v	228v	
Dc Voltages	Range	Measured Voltage	Adjustments
5 V DC	+/-0.15 V	5.01v	
12 V DC	+/-0.25 V	12.1v	
24V DC	+/-1 V	24v	
30 V DC	+/-1.5 V	30.01	

PCB	5V	12V	14V	30V	GND	Level Detection :	
	✓	✓	✓	✓	✓	PROBE	Good
System Board	✓	✓	✓	✓	✓		
Pipetoe MCB	✓	✓	✓	✓	✓	Measuring section	Center/ Misalign
Sample Arm MCB	✓	✓	✓	✓	✓	Wash Station	Good
Temperature control Board	✓	✓	✓	✓	✓	Reagent carousel	Good
Measurement Disk	✓	✓	✓	✓	✓	Sample carouse	Good
Disc Mcb	✓	✓	✓	✓	✓		
Photometer Board	✓	✓	✓	✓	✓		
Cooling Unit Board	✓	✓	✓	✓	✓		
Fans	✓	✓	✓	✓	✓		
Valve Board	✓	✓	✓	✓	✓		

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Motor Encoder	Aligned/ Misaligned
	✓
Needle horizontal arm	✓
Needle vertical Arm	✓
Cuvette rotor	✓
Carousel	✓
	✓
Home sensors :	
	Aligned/Misaligned
Filter wheel	✓
cuvette rotor	✓
wash arm	✓
Needle vertical	✓
Needle Horizontal	✓
Carousel	✓
Reagent syringe	✓
Sample Syringe	✓

Water Cask :		
	Sensors 1	Sensors 2
Water Level Sensors	✓	✓
With Liquid	✓	✓
Without Liquid	✓	✓
Overflow Detection sensor:	✓	✓
Dispensing check	✓	✓
Dispensing Volume	✓	✓

Sample/Reagent Needle arm :

	With Liquid	Without Liquid
Liquid Sensor	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	With Obstruction	Without Obstruction
Needle Crash Switch		
Needle Temperature (37 Deg C)		
Vertical Stepper Motor sensor	Opto 1 (up)	opto 2 (down)
Reset Opto Sensor	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Needle Position	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Center / Misalign	
Cuvette position	<input checked="" type="checkbox"/>	
Wash Section	<input checked="" type="checkbox"/>	
Carousel Section	<input checked="" type="checkbox"/>	

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Measuring Unit :

	Expected Reading	Observed Reading
Lamp Voltage	12 V Dc	12.01v
Lamp AV		12.01v
Cuvette AV		

Photo Sensor Alignment Good/ No Good

Pipettor Unit :

Sensors	Opto 1up	Opto 2 Down
Syringe Reagent	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Syringe Sample		

Cooling Unit :

	Expected Temperature	Measured Temperature
1	12 deg Celisus below R.T	<input checked="" type="checkbox"/>
2	Ambient Temperature R.T	<input checked="" type="checkbox"/>

Note : Wait for 30 minutes approximately
Device Used: Calibrated PT 100 Sensor

Comments :

Machine is checked for calibration and is working in good condition

Service Engineer signature:

