Form B03 Scheduled Maintenance Work Order



Format Ref: - QMS/TSD-022 Rev.01

Work Order No.	PWO365815	Schedule Month	July 2018						
Work Order Date	01/07/2018	Completed Date	10/7/2018						
Clinic Name	Klinik Kesihatan Sungai Ren	ngit Clinic Code	JHR047						
BE No.	JHNELM041	Distict	KOTA TINGGI						
BE Category	Electrocardiographs, Mult	ichannel WO Assigned to	ktgbme3						
Ownership	Existing Equipment	Purchase	New						
BE Condition	✓ Active	BER Propos	ed						
W 10 1 T	✓ Preventive Maintena	ance (PM) Third Party C	Third Party Calibration (TPC)						
Work Order Type	Routine Inspection	(RI) Statutory Ce	Statutory Certification (SC)						
Reschedule Date	Ma								
BE Third Party Calibra	ation / Statutory Certification De	tails							
Company Name	NA	Cal / Cert Date	NA						
Contact Number	NA	Cal / Cert Expiry Date	NA						
Remarks:	e Execution Details								
Schedule Maintenand	e Execution Details								
SI No	QMS Engineer / Technicia	n Name Date	Start Time End Time						
MA	SAFWAN	10/7/2	018 1900 1430						
Customer Remarks	M								
Date Inc.	SAFWAN BIN ROSLAN nedical Technician ledical Solution Sdn. Bhd		Name NORHASMAN BINT BAHRUN Designation Jururaway Personal U29 KK STATES OF THE PROPERTY OF T						
First Verification	HD RAMADOWN AMAR JAYA Biomedical Engineer Technical Service Department antum Medical Solutions Sun. 8nd. Tel: +60.12-300.1502	Final Verification QMS State Incharge							



KEMENTERIAN KESIHATAN MALAYSIA

MEET Planned Preventive Maintenance Checklist Electrocardiographs, Multichannel

CHECKLIST NO CL-063-000 REV.000

PART 1 ASSET DETAILS				TAN-	TAY.						-	
WORK ORDER NO ► PW03658 MANUFACTURER ► EDAN FREQUENCY ► 3 MONTHLY ()		нтиом	LY ()	12	MONTHLY (√)	ASSET NO MODEL PPM HOURS	> JHNELI > SE - 30 > 100	no-41			
PART 2 SPECIAL PRECAUTION		Square.							-			
If there is evidence of body fluid contaminate Wear appropriate Personnel Protection Equi Wear grounded electrostatic wristband when Refer to the safety procedure for additional p Make sure the test equipment used are duly	pment (P handling precaution	PE) du PCB ons and	iring v	vork. ctroni	c comp	ponents.						
PART 3 TEST APPARATUS										2000		
Tick (v) where appropriate								CALIBRATIC	N DUE C	N		
DESCRIPTION					1	/ SERIAL NO		CALIBRATIO	17000			
ELECTRICAL SAFETY ANALYZER		TESSA0010/3218071					24/8/18					-
ECG SIMULATOR		٦	ŧ€s	A 6	5(86	/3233028	12/10	0/18				
PART 4 QUALITATIVE TASKS												
Tick (√) where appropriate	DA CD	FA		N	٨	1 - 5 - 21 - 5		PASS	FAI	L	NA	
Chassis - verify physical integrity, cleanliness and condition	PASS	()	()	8. Fittings/ Connectors	ors - check all		()	()
Mount/ Fasteners - verify physical integrity	()	()	()	Controls/ Switcher proper operation of		-	()	()
Casters/Brakes - if mounted, verify physical integrity	(()	()	10. Indicators/ Displ illumination and ope		-	()	()
Power Cord - verify proper insulation and integrity	(/)	()	()	11. Alarm/ Audible S	Signal - verify oper	ration (/	()	()
Strain Relief - verify physical integrity at both ends of line cord		()	,	,	12. Printer -Verify of	peration and cond	dition (/	()	()
6. Leads/ Electrodes- Verify integrity and condition			,		,	13. Keypad- Verify of	operation and con-	dition (/)	()	()
Circuit Breaker/ Fuse - verify integrity of external circuit breaker and/or rating of external fuse	()	()	()							
PART 5 PREVENTIVE MAINTENANCE	TASKS		H.									
Tick (V) where appropriate	DONE	NOT DO	ONE **	N/	A	4. Clean/Lubricate		DONE	NOT D	ONE "	N.A	
Cleanliness - clean interior and exterior of the equipment	5	. ()	()	a) Thermal head b) Paper empty ser c) Paper mark sense.		1	()	()
2. Clean leads & electrode	1	()	()							
3. Battery - check and replace if necessary	1	()	()	Notes: "For all parts, NA defined a ""If you have ticked NOT C		nt remarks				



KEMENTERIAN KESIHATAN MALAYSIA

MEET Planned Preventive Maintenance Checklist Electrocardiographs, Multichannel

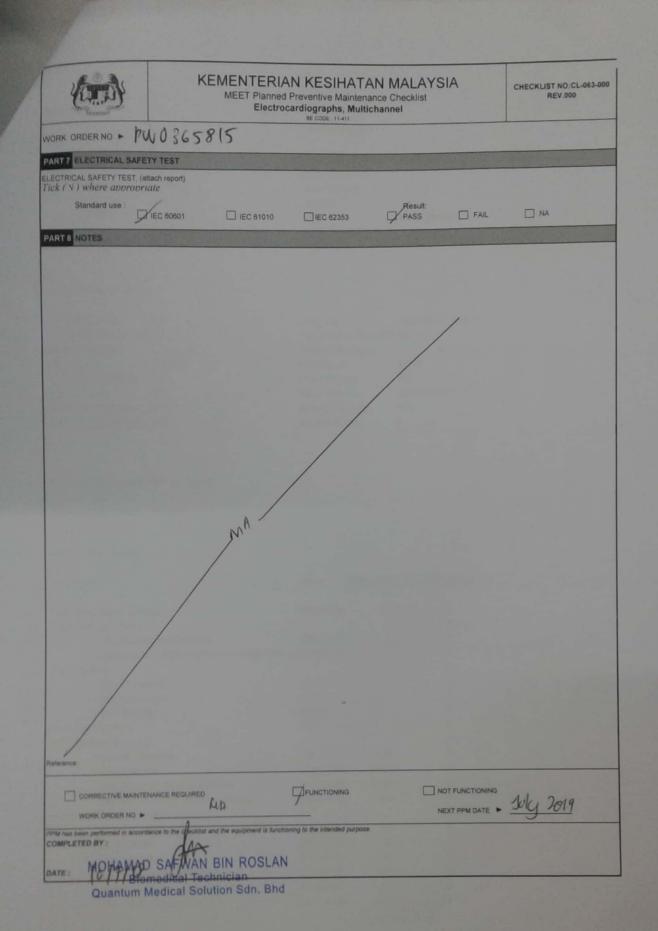
BE CODE 11-411

CHECKLIST NO:CL-063-000 REV.000

WORK ORDER NO

Paro365815

ick / V Luban assurantati								
ick (V) where appropriate		Set	Measured		PASS	FAIL	NA	1
Description	UOM	Values	Values	Limit/Tolerance	PADO	PAIL	Hes	-
1 Paper Speed (refer Part 8)	mm/sec	10	(0	9.5 - 10.5	1	()	()
	mm/sec	25	25	23.75 - 26.25	()	()	()
	mm/sec	50	50	47.5 - 52.5	()	()	(7
		100						
2 Pulse Rate Accuracy	bpm	30	30	29-31		()	()
	bpm	60	60	59-61	(/)	()	()
	bpm	80	80	79-81	()	()	()
AND THE PERSON NAMED IN	bpm	120		119-121		()	()
	bpm	200	120	199-201		()	()
	bpm	300	300	299-301	(()	()	()
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Test Setup

DUT Information

Operator ID:

Equipment Number : JHNELM041
MOHANA Serial Number :

Calibration Tech :

MOHANA Serial Number: 08/24/2018 Manufacturer: 2.08.01 Model:

Firmware Version: 2.0 Serial Number: 3:

2.08.01 Model: 3218071 Location:

Date & Time :

07/10/2018 & 02:05pm Other:

JOB Name:

Template Information

Template Name : ECG Standard : IEC60601-1-2nd Ed

Pause after Power ON NO
Power ON delay: 2
Test Speed: NORMAL
Halt on Test Failure: YES
Include Time: YES

Pause before Power O NO
Power OFF delay: 0

Test Mode: AUTO
Multi PE Test: NO
Multi Resstore: WORST/LAST
Reverse Polarity: YES

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Insulation Resistance \ 500V Reverse Polarity: YE
Multi Enclosure Test: NO Classification:

PLC Configuration-Applied part setup

AP Name AP Type AP Num

ESA615 Test Results

High Limits Low Limits Status Value Test Name 0.2 -0.002 Ohn Protective Earth Resistance Insulation Resistance 999 MOhr -Mains to Protective Earth Mains to Non-Earth Accessible Conductive Pa 999 MOhr -Mains Voltage 235.4 V -Live to Neutral Neutral to Earth 4.4 V -235.8 V -Live to Earth Equipment Current 0.0 A -Earth Leakage Current 336 uA-OF 500 -Normal Condition 512 uA-OF 1000 -Open Neutral 513 uA-OF 1000 -Open Neutral-Reversed Mains 334 uA-OF 500 -Normal Condition- Reversed Mains **Enclosure Leakage Current** 0.2 uA-OP 100 -**Normal Condition** 335 uA-OF 500 -Open Earth 0.2 uA-OP 500 -Open Neutral 500 -Open Neutral- Reversed Mains 0.2 UA-OP 100 -Normal Condition- Reversed Mains 0.2 UA-OP 500 -Open Earth-Reversed Mains 334 uA-OF

