Form B03 Scheduled Maintenance Work Order



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

Work Order No.	THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.						
	PWO366615	Schedule Month		July 2018			
Work Order Date	01/07/2018	Completed Date		10/7/2018			
Clinic Name	Klinik Kesihatan Sungai Rengit	Clinic Cod	le	JHR047			
BE No.	JHR024397	Distict		KOTA TINGGI			
BE Category	ELECTROCARDIOGRAPHS, MUL	WO Assign	ned to	K+96me3			
Ownership	✓ Existing Equipment		Purchase	New			
BE Condition	✓ Active		BER Proposed				
	Preventive Maintenance (PM)		Third Party Calib	ration (TPC)		Br. Barre	
Work Order Type	Routine Inspection (RI)		Statutory Certific	ation (SC)			
Reschedule Date	Lip						
BE Third Party Calibr	ation / Statutory Certification Details						
Company Name	N/A	Cal / Cert	Date	N.	9		
Contact Number	NA	Cal / Cert	Expiry Date	NA	9		
BE Sticker Remarks:	Availability: Yes / NA			Serial No	: (2 (2	- 4338	
Remarks:				Serial No	: (1 (2	- 4330	
Remarks:	ce Execution Details		Data				
Schedule Maintenand	ce Execution Details QMS Engineer / Technician Name		Date	Start T	īme	End Time	
Remarks:	ce Execution Details		Date [0]712018	Start T	īme		
Schedule Maintenand	ce Execution Details QMS Engineer / Technician Name			Start T	īme	End Time	
Schedule Maintenan	ce Execution Details QMS Engineer / Technician Name			Start T	īme	End Time	
Schedule Maintenand SI No Pub Customer Remarks Engineer / Technology Name MOHAN	Coe Execution Details QMS Engineer / Technician Name SAFWAN	Customer Name Designation Date Seal	Signature NUMMAN	Start T	Time	End Time	



KEMENTERIAN KESIHATAN MALAYSIA

MEET Planned Preventive Maintenance Checklist Electrocardiographs, Multichannel

CHECKLIST NO:CL-063-000 REV.000

PART 1 ASSET DETAILS			A STATE OF THE STA		
WORK ORDER NO PWO366	615			1005TNO - 7H	R024397
MANUFACTURER SUZUICEN			MODEL > CE	NZ E(4 108	
FREQUENCY > 3 MONTHLY () 61	MONTHLY ()	12 MONTHLY (√)		.00
PART 2 SPECIAL PRECAUTION	, 010	MONTHEY ()	12 MONTHET (V)	PPM/10010	
If there is evidence of body fluid contaminate Wear appropriate Personnel Protection Equipment Wear grounded electrostatic wristband whe Refer to the safety procedure for additional Make sure the test equipment used are duly	ipment (Pi n handling precaution	PE) during work. PCB or electronic cons and guidance as pe	emponents.		
PART 3 TEST APPARATUS					TENNAMED PROPERTY
Tick (√) where appropriate				CALL	BRATION DUE ON
DESCRIPTION		ASSET N	O / SERIAL NO		
ELECTRICAL SAFETY ANALYZ	ER	321807		2418/2	018
☑ ECG SIMULATOR		3 2 3 3 02	2.8	12/10/18	
PART 4 QUALITATIVE TASKS			A Property of		
Tick (√) where appropriate	PASS	FAIL NA	1500		PASS FAIL NA
Chassis - verify physical integrity, cleanliness and condition	4)	() ()	8. Fittings/ Connectors	ors - check all	() () ()
Mount/ Fasteners - verify physical integrity	()	() ()	Controls/ Switche proper operation of	controls	
Casters/Brakes - if mounted, verify physical integrity		() ()	10. Indicators/ Displ illumination and ope	ration	(/) () ()
Power Cord - verify proper insulation and integrity	()	() ()	11, Alarm/ Audible S	Signal - verify operation	(/) () ()
5. Strain Relief - verify physical integrity at both ends of line cord	,		12. Printer -Verify of	peration and condition	() () ()
6. Leads/ Electrodes- Verify integrity and condition		() ()	13. Keypad- Verify o	operation and condition	y) () ()
7 Circuit Breaker/ Fuse - verify integrity of external circuit breaker and/or rating of external fuse	1	() ()			
PART 5 PREVENTIVE MAINTENANCE	TASKS				
Tek (v) where appropriate	DONE 1	NOT DONE ** NA	4 Clean/Lubricate		DONE NOT DONE ** NA
Cleanliness - clean interior and exterior of the equipment	(/)	() ()	a) Thermal head b) Paper empty ser c) Paper mark sens		Y) () ()
2. Clean leads & electrode	()	() ()			
Battery - check and replace if necessary	/	() ()	and the second second second second	s NOT APPLICABLE ONE; then input relevant remarks cable. Please indicate in Part 8 for	



KEMENTERIAN KESIHATAN MALAYSIA

MEET Planned Preventive Maintenance Checklist Electrocardiographs, Multichannel

CHECKLIST NO:CL-063-000 REV.000

WORK ORDER NO . PW0366615

) where appropriate									
Description	UOM	Set Values	Measured Values	Limit/Tolerance	PASS	FA	JL	NA	
Dance Sacrad (cofee Sect 8)			30	0.5 40.5	1/1	-)	()
Paper Speed (refer Part 8)	mm/sec	10	10	9.5 - 10.5	(/)	-)	()
	mm/sec	25	25	23.75 - 26.25	(/)				_
	mm/sec	50	30	47.5 - 52.5	(2)	,			
Pulse Rate Accuracy	bpm	30	30	29-31	(/)	()	()
Andrew Control of the Control	bpm	60	60	59-61	(/)	()	()
	bpm	80	80	79-81	(/)	()	()
	bpm	120	(20	119-121	(/)	()	()
	bpm	200	260	199-201	(/)				
	bpm	300	300	299-301	(/)	()	()
					10.00			100	
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()	KE	MEET Planned	N KESIHAT Preventive Mainte cardiographs, Mul	AN MALAYS	SIA	CHECKLIST NO CL-063-00 REV-000
ORK ORDER NO >	1W036661	5	NE 15.02 17411			
ART 7 ELECTRICAL S	SAFETY TEST	THE STREET	NEW YORK			
ECTRICAL SAFETY TES	ST. (attach report)					
Standard use	DIEC 60601	☐ IEC 61010	☐ IEC 62353	Result	☐ FAIL	□ HA
ART 8 NOTES					The Road	
					/	
				/		
		14				
		MA				
erence:						1000
			1			the second second
CORRECTIVE MA	INTENANCE REQUIRED		FUNCTIONING	Пи	OT FUNCTIONING	1.01 0 26
WORK ORDER NO				N	EXT PPM DATE ►	July 2019
has been performed in	MAD SAFWAN	the equipment is function	ning to the intended purpos	0.		7-13-7-14
MOH	MAD SAFWAN	chnician	1 1 1 2 1 2 1			
111-0	Biomedical Tel	ution Sdn. Bh	nd			

Test Setup

DUT Information

Operator ID:

Calibration Tech : MOHANA Calibration Date: 08/24/2018 Firmware Version: 2.08.01

Serial Number: 3218071 Date & Time : 07/10/2018 & 02:20pm

JOB Name :

Equipment Number: JHR024397

Serial Number: Manufacturer: Model:

KK SG RENGIT

Location: Other:

Template Information

Template Name : ECG Pause after Power ON NO Power ON delay: 2 Test Speed: NORMAL Halt on Test Failure: YES Include Time: YES Insulation Resistance \ 500V

Standard: IEC60601-1-2nd Ed Pause before Power O NO

Power OFF delay: 0
Test Mode: AUTO Test Mode: AUTO
Multi PE Test: NO
Multi Resstore: WORST/LAST
Reverse Polarity: YES

Classification:

PLC Configuration-Applied part setup

AP Name AP Type AP Num

Multi Enclosure Test: NO

ESA615 Test Results

	Test Name	value Hig	in Limits Low Li	mits Status
	Protective Earth Resistance	0.002 Ohn	0.2 -	Р
	Insulation Resistance			P
	Mains to Protective Earth	999 MOhr -	- 1	P
	Mains to Non-Earth Accessible Conductive	Pa 999 MOhr -	-	Р
	Mains Voltage			Р
	Live to Neutral	235.4 V -		Р
	Neutral to Earth	4.4 V -		P
	Live to Earth	235.8 V -		Р
1	Equipment Current	0.0 A -	-	Р
1	Earth Leakage Current			Р
	Normal Condition	336 uA-OF	500 -	Р
	Open Neutral	512 uA-OF	1000 -	P
	Open Neutral- Reversed Mains	513 uA-OF	1000 -	P
	Normal Condition- Reversed Mains	334 uA-OF	500 -	P
Ē	Enclosure Leakage Current			P
	Normal Condition	0.2 uA-OP	100 -	P
	Open Earth	335 uA-OF	500 -	P
	Open Neutral	0.2 uA-OP	500 -	Р
	Open Neutral- Reversed Mains	0.2 uA-OP	500 -	Р
	Normal Condition- Reversed Mains	0.2 uA-OP	100 -	Р
	Open Earth- Reversed Mains	334 uA-OF	500 -	P

