Form B03

Scheduled Maintenance Work Order



Format Ref. -QMS/TSD-003 Rev. 00

Work Order No	Pw0340699	Scheduled Month	January 2018			
Work Order No	01/01/2018	Completed Date	23/1/2018			
	Klinik Kesihatan Jalan Oya	Clinic Code	SWK169			
Clinic Name	· · · · · · · · · · · · · · · · · · ·					
BE No	[wkoo4783	District	SIBU			
Be Category	Light, Examination	WO Assigned to	SIUBME1			
Ownership	Existing Equipment	MEET Equipment				
BE Condition	Under Warranty	BER Proposed				
Work Order Type	Preventive Maintenance (PM)	Third Party Calibration (TPC)			
	Routine Inspection (RI)	Statutory Certification (SC)				
	ation / Statutory Certification Details					
mpany Name	- NA	Cal / Cert Date	N/A ·			
Company Number Action Taken		Cal / Cert Expiry Date				
	ce Execution Details neer / Technician Name	Date Start	: Time End Time			
0212	wed-	23/1/2018 12				
	Charles					
Customer Remarks						
Engineer / Technician	Sig/ature	Customer Signature				
Name	WI	Name	1			
Date	MEDNICLEVII HAARAV		1.			
	WEDNISLEYJI JIMMY BIOMEDICAL TECH	Designation	HAT THE PARTY OF T			
		Date ARTHUR ASAK ABO	Ch 2004			
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First Verification

QMS Circle Incharge

James Bo
Sr. Biomedical Engineer
Quantum Medical Solutions

Final Verification

QMS State Incharge



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	hice also enotials also such	BEMS Planned Preventive Maintenance Checklist Light, Examination 3E CODE . 12-276				CHECK	CHECKLIST NO: CL-081 REV.000		
PAR	T1 ASSET DETAILS								
WOR.	K ORDER NO → PWC	0340699			ASSET NO	· Swk o	OLE + 8 3		
MANL	JFACTURER >				MODEL	•			
FREQ	UENCY ► 3 MC	ONTHLY ()	6 MONTHLY ()	12 MONTHLY	PPM HOURS	5 - 0.13	÷		
PART	2 SPECIAL PRECAUTION	N Section 1							
If there	is evidence of body fluid co	ntamination, submit the			n before inspecting it.	<u> </u>			
	appropriate Personnel Protec		-						
	rounded electrostatic wristb								
	o the safety procedure for ad ure the test equipment used		d guidance as per ma	ınufacturer guidelini	es.				
	TEST APPARATUS								
Tick (V) where appropriate			<u> </u>	Construence of the Construence	<u> </u>	<u>la car i sa .</u>		
NO	ASSET NO		DESCRIPTION		SERIAL NO	CALIBRA	CALIBRATION DUE ON		
	TEOSU ODOF	ELECTRICAL SAFE	ETY ANALYZER		321 8073	20112	11-6		
	Taes 6 0 116	LUX METER			156166816	10/7	<u> </u>		
					010000	1 7			
ART 4	QUALITATIVE TASKS					Maria (Serventina)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
ck (V i)	where appropriate	A compared to the compared to the com-							
		PASS	FAIL NA			PASS F	AIL NA		
						,			
Chas clean	ssis - verify physical integrity Iliness and condition	. (//)() () 7	Easy handling of performance	all the articulation - verify	() () ()		
Fitting	gs/Connectors - verify integr	ity (/) () () 8	Maneuver stability	/ - verify balance	(~) () ()		
			į				, , , ,		
Contro of con	ols/Switches - verify proper i itrols	operation (/) () () 9	Stand by power - 1	erify operation	(/)() ()		
Indica	tors/ Displays - verify proper	. (/)() () 10	Circular appearan	no of the Bolt and a sec				
	nation and operation	1 / 1	, () 10	performance	ce of the light path - verify	(/)() ()		
Bright	ness Control - verify operati	on (/) () () 11	Check light focus		(/)() ()		
						, , , ,	, , ,		
Lighthe	ead - verify fixation	() () () 12	Suspension - verify	/ fixation	(/) () ()		
	REVENTIVE MAINTENANC	DE TASKS		1					
r v) wnc	ure appropriate	N	от			NO.			
			NE NA			DONE DON	I		
Lenses	/Heat Filter - Check and clea	an (/) () () 4 (Bulb holder - Chec	k / replace***	(/) ()()		
	-					-			
	ness - Clean the exterior and of the equipment	(/) () () Notes	:					
Bulb - C	heck / replace***	(/) () ()		NA is defined as NOT APP	OLICADI E			
	7	· / · (**If you have ti	TNA is defined as NOT APP cked 'NOT DONE', then just nichever Applicable	stify in Part 8			
-				000 771	ppiidedib				

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BEMS Planned Preventive Maintenance Checklist Light, Examination CHECKLIST NO: CL-091 REV.000

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WORK	ORDER NO - P	W0340699							
PART 6	QUANTITATIVE TA			The Control			a (18. 1994) ya 19 a sa Antiya wa kasa (18. 1994)		
	where appropriate		Units /	Set	Measured	T	7400		
No ———		Description	UOM	Values	Values	Limit/Tolerance	PASS	FAIL	NA
	Light intensity at 1 n	n distance	Lux		H69		'/	()	()
							1		
	3								
	1								
0.080.0	ELECTRICAL SAFE			<u> </u>					
	CAL SAFETY TEST, I (In accordance to IEC 8060	•	я					,	
	* <i>j</i> *	ASS FAIL	N/	A					÷
RT#	NOTES								
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	und	JUNOT!							
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									-
	COF	RECTIVE MAINTENANCE REQUIRED		F	UNCTIONING	€	IOT FUNCTIONIN	IG A	ÀN .
MODE	ORDER NO ►			,			IEXT PPM DATE	. 1	PM 19
MACH	ORDER NO -					N	IEXT PENI DATE		1
has bee	en performed in acco	rdance to the checklist and the equipment is	functionin	g to the in	tended purpo	se.			
PLETEI	D BY:								
		WEDNIS BIOM	EDICAL TI	ECH					
E:	₹ ⊘ /	QUANTUM A	VEDICA: «	יחודווחי	•:				
-	251	1 1 (6							

Test Setup

DUT Information

Operator ID:

Α

Equipment Number:

SWK004783

Calibration Tech:

99699

Serial Number: Manufacturer:

N/A

Calibration Date:

20/12/2018

Firmware Version:

2.12.01

Model:

N/A N/A

Serial Number:

3226903

Location:

KK JLN OYA

Date & Time :

23/01/2018 & 11:50

Other:

JOB Name:

PPM

Template Information

Template Name:

Light, Examination

Standard:

IEC60601-1-2nd Ed

Pause after Power ON:

NO

Pause before Power OFF:

NO

0

Power ON delay:

2

Power OFF delay:

AUTO

Test Speed: Halt on Test Failure: NORMAL YES

Test Mode: Multi PE Test:

NO

Include Time:

YES

Multi Resstore:

WORST/LAST

Insulation Resistance Vi Multi Enclosure Test:

500V NO

Reverse Polarity: Classification:

YES 1

PLC Configuration-Applied part setup

AP Name

AP Type

AP Num

В

П

ESA615 Test Results

Test Name	Value	High Limits	Low Limits	Status	
Protective Earth Resistance Insulation Resistance	0.098 Ohm	0.2	-	Р	
Mains to Protective Earth	999 MOhm	-	-	Р	
Mains to Non-Earth Accessible Conductive Part	999 MOhm	-	-	Р	
Mains to Applied Parts	999 MOhm	-	-	Р	
Applied Parts to Non-Earth Accessible Conductive Part	999 MOhm	-	-	P	
Mains Voltage					
Live to Neutral	239.1 V	-	-	Р	
Neutral to Earth	3.8 V	-	-	Р	
Live to Earth	240.5 V	-	-	Р	
Equipment Current	0.0 A	-	-	Р	

Earth Leal	kage Current				
	Normal Condition	16.3 uA-OPEN	500	-	Р
	Open Neutral	33.5 uA-OPEN	1000	-	P
	Open Neutral- Reversed Mains	33.4 uA-OPEN	1000	-	Р
	Normal Condition- Reversed Mains	17.7 uA-OPEN	500	-	Р
Enclosure	Leakage Current				
	Normal Condition	0.7 uA-OPEN	100	-	Р
	Open Earth	0.9 uA-OPEN	500	=	Р
	Open Neutral	1.2 uA-OPEN	500	-	Р
	Open Neutral- Reversed Mains	1.2 uA-OPEN	500	-	Р
	Normal Condition- Reversed Mains	0.7 uA-OPEN	100	-	Р
	Open Earth- Reversed Mains	0.9 uA-OPEN	500	-	Р
Patient Lea	akage Current				
	Normal Condition				
		0.5 uA-OPEN	100	-	Р
	Open Earth				
		0.6 uA-OPEN	500	-	Р
	Open Neutral				
		0.7 uA-OPEN	500	-	Р
	Open Neutral- Reversed Mains				
		0.6 uA-OPEN	500	-	Р
	Normal Condition- Reversed Mains				
		0.5 uA-OPEN	100	-	Р
	Open Earth- Reversed Mains				
		0.5 uA-OPEN	500	-	P

Signature