

METRON QA-90

protokol o testu elektrické bezpečnosti

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QA-90 no: 12395 ver : 04.06

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Model : 78352C

Výrobní číslo : 3501G17760

Typ : 78352C

Inventurní číslo : Inv. è. I017397

Výrobce: Hewlett-Packard/Agilent Technologies/Philips

Umístění/uzivatel : Ortopedie 29A JIP

Adresa: Fakultní nemocnice Olomouc, I.P. Pavlova 6, 775 20 Olomouc

Klasifikace přístroje : CL1

Mezní hodnoty podle: IEC 60601.1

TEST RESULTS

– MODULE INFORMATION –

Module Code

Module Type

No of leads

3 LEAD ECG

CF

3

SPO2

CF

1

– SETUP DATA –

Power Up Delay Time

: 2

Stop after new power config

: No

Stop at new module

: No

Stop before new power config

: No

Multiple Protective Earth Tests

: No

Multiple Enclosure Tests

: No

Protective Earth test current

: 25 A

External Isolating Transformer

: No

Test	Limit	Result	Warning
Supply Voltage			
N-G		0,0 V	
L-G		226,5 V	
L-N		226,6 V	
Current Consumption		201 mA	
Protective Earth			
	200 mΩ	79 mΩ	
Insulating Resistance			
Applied Part-Case		>200 MΩ	
Applied Part-Case		>200 MΩ	
Mains-Case		>200 MΩ	
Earth Leakage Current			
OS	1000 µA	144 µA	
NC	500 µA	70 µA	
OS-RM	1000 µA	144 µA	
NC-RM	500 µA	75 µA	
Enclosure Leakage Current			
OS	500 µA	0 µA	
NC	100 µA	0 µA	
OE	500 µA	70 µA	
OS-RM	500 µA	0 µA	
NC-RM	100 µA	0 µA	
OE-RM	500 µA	74 µA	
Patient Leakage Current AC			
OS, Module : SPO2, Lead : 4	50 µA	0 µA	
OS, Module : 3 LEAD ECG, Lead : 3	50 µA	0 µA	
NC, Module : SPO2, Lead : 4	10 µA	0 µA	
NC, Module : 3 LEAD ECG, Lead : 3	10 µA	0 µA	

Patient Leakage Current AC (continued)

OE, Module : SPO2, Lead : 4	50 μ A	3 μ A
OE, Module : 3 LEAD ECG, Lead : 2	50 μ A	3 μ A
OS-RM, Module : SPO2, Lead : 4	50 μ A	0 μ A
OS-RM, Module : 3 LEAD ECG, Lead : 3	50 μ A	0 μ A
NC-RM, Module : SPO2, Lead : 4	10 μ A	0 μ A
NC-RM, Module : 3 LEAD ECG, Lead : 3	10 μ A	0 μ A
OE-RM, Module : SPO2, Lead : 4	50 μ A	3 μ A
OE-RM, Module : 3 LEAD ECG, Lead : 2	50 μ A	3 μ A

Mains on Applied Parts

SFC, Module : SPO2, Lead : ALL	50 μ A	4 μ A
SFC, Module : 3 LEAD ECG, Lead : ALL	50 μ A	11 μ A
SFC-RM, Module : SPO2, Lead : ALL	50 μ A	3 μ A
SFC-RM, Module : 3 LEAD ECG, Lead : ALL	50 μ A	11 μ A

Patient Auxiliary Current AC

OS, Module : 3 LEAD ECG, Lead : 3	50 μ A	0 μ A
NC, Module : 3 LEAD ECG, Lead : 3	10 μ A	0 μ A
OE, Module : 3 LEAD ECG, Lead : 1	50 μ A	2 μ A
OS-RM, Module : 3 LEAD ECG, Lead : 3	50 μ A	0 μ A
NC-RM, Module : 3 LEAD ECG, Lead : 3	10 μ A	0 μ A
OE-RM, Module : 3 LEAD ECG, Lead : 1	50 μ A	2 μ A

Patient Auxiliary Current DC

OS, Module : 3 LEAD ECG, Lead : 3	50 μ A	0 μ A
NC, Module : 3 LEAD ECG, Lead : 3	10 μ A	0 μ A
OE, Module : 3 LEAD ECG, Lead : 3	50 μ A	0 μ A
OS-RM, Module : 3 LEAD ECG, Lead : 3	50 μ A	0 μ A
NC-RM, Module : 3 LEAD ECG, Lead : 3	10 μ A	0 μ A
OE-RM, Module : 3 LEAD ECG, Lead : 3	50 μ A	0 μ A

Patient Leakage Current DC

OS, Module : SPO2, Lead : 4	50 μ A	0 μ A
OS, Module : 3 LEAD ECG, Lead : 3	50 μ A	0 μ A
NC, Module : SPO2, Lead : 4	10 μ A	0 μ A
NC, Module : 3 LEAD ECG, Lead : 3	10 μ A	0 μ A
OE, Module : SPO2, Lead : 4	50 μ A	0 μ A
OE, Module : 3 LEAD ECG, Lead : 3	50 μ A	0 μ A
OS-RM, Module : SPO2, Lead : 4	50 μ A	0 μ A
OS-RM, Module : 3 LEAD ECG, Lead : 3	50 μ A	0 μ A
NC-RM, Module : SPO2, Lead : 4	10 μ A	0 μ A
NC-RM, Module : 3 LEAD ECG, Lead : 3	10 μ A	0 μ A
OE-RM, Module : SPO2, Lead : 4	50 μ A	0 μ A
OE-RM, Module : 3 LEAD ECG, Lead : 3	50 μ A	0 μ A

***** UNIT PASSED TEST! *****

Signature : _____