

METRON QA-90 Safety Test Report

protokol o testu elektrické bezpečnosti

Technik : Ing.J.Vrána

Firma : S&T Plus s.r.o. Praha

QA-90 serial # : 10525

Datum: 28.2.2005

Firmware : 03.47

Cas: 13:26

Appliance Code : M1205A

Výrobní číslo : 3609A07180

Výrobce : Hewlett-Packard / Agilent Technologies / PHILIPS

Typ : M1205A

Model : OmniCare

Uživatel : Neurochirurgie JIP

Adresa : FN Olomouc

Klasifikace přístroje : CL1

Mezní hodnoty podle : IEC 60601.1

VYSLEDKY TESTU

-- MODULE INFORMATION --

Module Code
3 LEAD ECGModule Type
CFNo of leads
3

-- 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		98,0 V	
L-G		142,9 V	
L-N		235,0 V	
Current Consumption		186 mA	
Protective Earth	200 mΩ	75 mΩ	
Insulating Resistance			
Applied Part-Case		>200 MΩ	
Mains-Case		>200 MΩ	
Earth Leakage Current			
OS	1000 μA	40 μA	
NC	500 μA	7 μA	
OS-RM	1000 μA	40 μA	
NC-RM	500 μA	7 μA	
Enclosure Leakage Current			
OS	500 μA	0 μA	
NC	100 μA	0 μA	
OE	500 μA	7 μA	
OS-RM	500 μA	0 μA	
NC-RM	100 μA	0 μA	

Enclosure Leakage Current (continued)

OE-RM	500 μ A	7 μ A
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Patient Leakage 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	4 μ A
OE, Module : 3 LEAD ECG, Lead : 1	50 μ A	4 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	4 μ A
OE-RM, Module : 3 LEAD ECG, Lead : 1	50 μ A	4 μ A

Mains on Applied Parts

SFC, Module : 3 LEAD ECG, Lead : ALL	50 μ A	8 μ A
SFC-RM, Module : 3 LEAD ECG, Lead : ALL	50 μ A	7 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	4 μ A
OE, Module : 3 LEAD ECG, Lead : 1	50 μ A	4 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	4 μ A
OE-RM, Module : 3 LEAD ECG, Lead : 1	50 μ A	4 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 : 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

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

Remark :

modul ECG M1002B v.è. DE242C1197

modul NBP 1008B v.è. 3604G19914



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