

## CALIBRATION REPORT

**Details of the Unit Under Calibration:**

**Calibration Certificate No: SBS/CL/20-21/00901**

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Customer Name:	JOTHI X-RAY ECG& LABORATORY	Customer Address:	1, SIVAN KOVIL STREET, THOOTHUKUDI-628002.
Location:	BIOCHEMISTRY	Serial No:	801759030
Description:	BIO SYSTEM	Tag/Asset No:	NA
Make:	NA	Date of Calibration:	20-09-2020
Model:	BTS-350	Date of Due:	19-09-2021

**Traceability Details:**

S.No	Standard Used	Make	Model	Serial No	Validity
1	Electrical Safety Analyzer	Fluke	ESA615	2244202	26-Jun-2021

**Environmental Conditions and Standard Operating Procedure Details:**

Temperature	23°C	Calibration Done At	ONSITE
Humidity (40-70% RH)	54%	Calibration Procedure No	CP-BM001-2019/ES

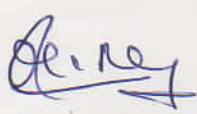
**REMARKS:**

Performance Test Report : Attached

Electrical Safety Test Report : Attached

Electrical Safety Test Passed as Per IEC Standard 60601/62353

The above mentioned instruments has been calibrated using standard manufacturer recommended protocols, using equipments having traceability to National/International Standards. Partial reproduction of the certificates is not permitted.

Calibrated by:   
BALAJI. M  
(Calibration Engineer)

Authorized Signatory:

  
C.SHANMUGARAJ  
(Technical Manager)

**Result of Calibration: SBS/TR/20-21/00901**

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Electrical Safety Test Passed :  Yes /  No

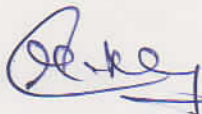
Electrical Safety Test		
Parameters Used	Measured in Test Gadget	Limits
Voltage N-E	2.9	< 3V
Voltage P-N	223	< 230V
Voltage P-E	228.1	< 230V
Maximum Current Taken by the DUT	0.1	As per Manufacture specification
Earth Leakage Current NC	121	<500 $\mu$ A for B,BF,CF
Earth Leakage Current SFC	233	<1000 $\mu$ A for B,BF,CF
Enclosure Leakage Current NC	5.0	<100 $\mu$ A for B,BF,CF
Enclosure Leakage Current SFC	5.2	<500 $\mu$ A for B,BF,CF
Patient Leakage Current NC	5.4	<100 $\mu$ A for B,BF, <10 $\mu$ A for CF
Patient Leakage Current SFC	5.5	<500 $\mu$ A for B,BF, <50 $\mu$ A for CF
Insulation Resistance M-P.E	Good	More than 100Mohm
Insulation Resistance M-A.P	Good	More than 100Mohm
Insulation Resistance A.P-P.E	Good	More than 100Mohm

**Observation:** The unit was found to delivery energy within allowed deviation limits.

**CALIBRATION RESULT:**

- Corrective maintenance required
- Removed from use
- Acceptable for use

Calibration Engineer Sign:



Date: 20-09-2020