

校正証明書

CERTIFICATE OF CALIBRATIONS

証明書番号:

Certificate Number 202204 - 546

発行:

Date of Issue 2022/4/14

依頼者:

Customer Name

LIGHTHOUSE Inc.

様

品名:

Description

耐電圧試験器

WITHSTANDING VOLTAGE TESTER

型名:

Model No.

STW-9904

製造番号:

Serial No.

GJT190338

作業環境:

Temp./Humidity

22 °C 52 %RH

校正実施日:

Date of calibration

2022/4/14

上記の計測器は当社の作業標準に従って校正・試験を行い、校正作業に於ける検査または試験の結果が仕様を満足していることを証明します。

この校正・試験に使用された標準器は、日本電気計器検定所(JEMIC)、及び日本品質保証機構(JQA)など日本の公的校正機関、または米国国立標準技術研究所(NIST)など国際度量衡委員会に加盟している諸外国の公的校正機関に対してトレーサビリティが保たれております。

また、一部の測定は自然物理定数もしくは合意標準にトレースしています。

We hereby certify that the above product has been calibrated in accordance with job standard of TEXIO TECHNOLOGY CORPORATION and that the inspection and or test results of the calibration satisfy the specification Measurement of the calibration is traceable such as JEMIC (JAPAN ELECTRIC METERS INSPECTION CORPORATION) or JQA (JAPAN QUALITY ASSURANCE ORGANIZATION), or to overseas public calibration organization participating international measurement committee such as NIST(NATIONAL INSTITUTE OF STANDARDS TECHNOLOGY).

使用校正器 Calibration Equipment Used

品名 Description	製造者 Manufacturer	型式名 Model No.	製造番号 S/No.	有効校正日 Cal Due Date
Calibrator	FLUKE	5520A	8570004	2022 / 7 / 31
Decade Resistance Box	YOKOGAWA	2793	00089N	2022 / 4 / 30
Decade Resistance Box	YOKOGAWA	2793	00665	2022 / 4 / 30
Digital Multimeter	FLUKE	8846A	9377024	2022 / 5 / 31
Shunt Resistor	ISAPLAN	RUG-Z-R100	020354	2023 / 2 / 28
IR JIG	TEXIO	R02-007	01707061	2022 / 9 / 30

株式会社テクシオ・テクノロジー
品質保証部

TEXIO TECHNOLOGY CORPORATION

Quality Assurance Department

〒222-0033

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Test Report (試験成績書)

Date (試験日) 2022/4/14

Description (品名)	WITHSTANDING VOLTAGE TESTER (耐電圧試験器)	Temperature (温度)	22 °C	Humidity (相対湿度)	52 %RH
Model (機種名)	STW-9904	Serial No. (製造番号)	GJT190338		
Manufacturer (製造会社名)	TEXIO TECHNOLOGY CORPORATION (株式会社テクシオ・テクノロジー)	Approved by (承認)	Person In Charge (担当者)		

■ [1] Applied Voltage Accuracy (出力電圧確度)

ITEM (試験項目)	Specifications (規格)	Data (測定値)
RANGE AC/50Hz	1000 V 0.985 kV to 1.015 kV	0.9989 kV
	2500 V 2.470 kV to 2.530 kV	2.4987 kV
	3000 V 2.965 kV to 3.035 kV	2.9984 kV
	5000 V 4.945 kV to 5.055 kV	5.0081 kV
RANGE DC	500 V 0.490 kV to 0.510 kV	0.5023 kV
	1000 V 0.985 kV to 1.015 kV	0.9991 kV
	3000 V 2.965 kV to 3.035 kV	3.0007 kV
	5000 V 4.945 kV to 5.055 kV	5.0012 kV
	6000 V 5.935 kV to 6.065 kV	6.0155 kV

■ [2] Cutoff Current Accuracy (遮断電流確度)

ITEM (試験項目)	Specifications (規格)	Data (測定値)
AC/50Hz	0.5 mA 0.463 mA to 0.537 mA	0.5012 mA
	1 mA 0.955 mA to 1.045 mA	0.9968 mA
	10 mA 9.82 mA to 10.18 mA	9.956 mA
	50 mA 49.0 mA to 51.0 mA	49.69 mA
	100 mA 98.2 mA to 101.8 mA	99.23 mA
DC	0.5 mA 0.463 mA to 0.537 mA	0.4984 mA
	1 mA 0.955 mA to 1.045 mA	0.9961 mA
	10 mA 9.82 mA to 10.18 mA	9.973 mA
	20 mA 19.4 mA to 20.6 mA	20.26 mA

■ [3] Insulation Resistance Measurement Accuracy (絶縁抵抗測定確度)

ITEM (試験項目)	Specifications (規格)	Data (測定値)
0.5kV/DC	10 MΩ 9 MΩ to 12 MΩ	10 MΩ
	50 MΩ 47 MΩ to 54 MΩ	50 MΩ
	100 MΩ 94 MΩ to 106 MΩ	100 MΩ
	1000 MΩ 899 MΩ to 1101 MΩ	992 MΩ
	5 GΩ 4.499 GΩ to 5.501 GΩ	4.975 GΩ
	10 GΩ 8.499 GΩ to 11.501 GΩ	9.920 GΩ
	50 GΩ 42.49 GΩ to 57.51 GΩ	49.08 GΩ
1kV/DC	10 MΩ 9 MΩ to 12 MΩ	10 MΩ
	50 MΩ 47 MΩ to 54 MΩ	50 MΩ
	100 MΩ 94 MΩ to 106 MΩ	100 MΩ
	1000 MΩ 899 MΩ to 1101 MΩ	994 MΩ
	5 GΩ 4.499 GΩ to 5.501 GΩ	4.985 GΩ
	10 GΩ 8.499 GΩ to 11.501 GΩ	9.940 GΩ
	50 GΩ 42.49 GΩ to 57.51 GΩ	48.98 GΩ

■ [4] GB:Ground Bond (アース導通試験部)

ITEM (試験項目)	Specifications (規格)	Data (測定値)
AC/50Hz Current Meter	5 A 4.75 A to 5.25 A	5.069 A
	20 A 19.75 A to 20.25 A	20.031 A
	30 A 29.65 A to 30.35 A	30.152 A
10A/100mΩ	100 mΩ 97.0 mΩ to 103.0 mΩ	100.2 mΩ

Judgment (総合判定) ☒ OK ☐ NGTEXIO TECHNOLOGY CORPORATION
株式会社テクシオ・テクノロジー

Traceability Chart

DEC, 2021

National
Standards
Laboratory

AIST/National Institute of Advanced
Industrial Science and Technology

NICT/National Institute of
Information and Communications

NIST/National Institute of Standards
and Technology

JQA/Japan Quality Assurance
Organization

JEMIC/Japan Electric Meters
Inspection Corporation

TEXIO TECHNOLOGY CORPORATION



Keysight Technologies
(JCSS, ANAB, TS 16969)

Tektronix & Fluke Corporation
(ANSI/ISO 17025)

Yokogawa Electric Corporation
(JCSS, JAB)

Alpha Electronics Corp

JAPAN FINECHEM COMPANY, INC.

Reference
Standards

Quartz Oscillator
AGILENT 105A/0968A00264
Measuring Receiver
AGILENT 8902A/3438A03694
AGILENT 11722A/2716A03175
Power Meter/Sensor
AGILENT E4418B/MY45102181
AGILENT 8482A/MY41094062

Signal Generator
AGILENT 83712A
/3339A00236

RMS Voltmeter
FLUKE 8920A/6245001
Calibrator
FLUKE 5520A/8570004
Standard Resistor
FLUKE
742A-1/6120001
742A-10k/9103003

Digital Multimeter
AGILENT 3458A
/US28033022
AGILENT 34420A
/MY42001548
FLUKE 8846A
/9377024

Shunt Resistor
Yokogawa Electric
221601/01682
221701/1700
Shunt Resistor
ALPHA ELECTRONICS
LSR-R10/06A0650
LSR-1NOP/05A0604
LSR-10N/04k0587

Video
Measurement
TEKTRONIX
VM700T/B030228

IR JIG
TEXIO
R02-007/01707061

Working
Standards

Frequency Counter
AGILENT 5335A/53132A
Signal Generator
ANRITSU MG3631A

Spectrum Analyzer
ADVANTEST
R4136/R3265A
Function Generator
AGILENT
33250A/3325B

Calibrator
FLUKE
5500A-SC600
5500A-SC300

Distortion Meter
Calibrator
SHIBASOKU AC12B

Audio Analyzer
PANASONIC
VP-7725B
AGILENT
8903B
Distortion
Analyzer
SHIBASOKU
AD725D

Standard
Resistor
YEW WS-A/2792
YEW Shunt
2216
YEW DECADE BOX
2793

Shunt Resistor
PCN
RH250
1R00, R100
ISAPLAN
RUG/RUG-Z
1R00, R100
R010, R001
Current Amplifier
FLUKE
5220A

Video Signal
Generator
TEKTRONIX
TG2000
1410, 1411

Oscilloscope
Calibrator
TEKTRONIX
SG503/PG506/TG501
Oscilloscope
KENWOOD CS-6400

Digital
Multimeter
KEITHLEY
2000

Subject
to
Calibrate

Time/Frequency

High Frequency
Voltage

AC/DC Voltage

Temperature

Distortion

Resistors

AC/DC Current

Capacitors

Video
Signals