



MICRO PRECISION CALIBRATION PTE LTD
BLOCK 5008 ANG MO KIO AVENUE 5 #07-02/03
TECHPLACE II SINGAPORE 569874
65 67484384



Certificate of Calibration

Date: Sep 15, 2020

Cert No. 551220083820716

Customer:

WATERS PACIFIC PTE LTD

C/O: PT SURYA TEKNOLOGI BATAM
BATAMINDO INDUSTRIAL PARK, LOT 312 JALAN BERINGIN
MUKAKUNING, BATAM-INDONESIA

Work Order #: SG-11015550

MPC Control #: B070519

Asset ID: N/A

Gage Type: OSCILLOSCOPE

Manufacturer: TEKTRONIX

Model Number: 460A

Size: N/A

Temp/RH: 22.0°C / 52.0%

Location: Calibration performed at MPC facility

Serial Number: B070519

Department: N/A

Performed By: SENGTHYE CHEW

Received Condition: IN TOLERANCE

Returned Condition: IN TOLERANCE

Cal. Date: September 12, 2020

Cal. Interval: 12 MONTHS

Cal. Due Date: September 12, 2021

Calibration Notes:

Performance Tests Passed. See attached data (4 Pages).

Standards Used to Calibrate Equipment

I.D.	Description.	Model	Serial	Manufacturer	Cal. Due Date	Traceability #
DC9931	OSCILLOSCOPE CALIBRATOR	9500B/9530	932654038 / 895650875	FLUKE	Feb 3, 2021	551220083664742

Procedures Used in this Event

Procedure Name

MPCCAL Rev. 00

Description

MPC Automated Procedure, rev00, Feb-05-2010

Calibrating Technician:


SENGTHYE CHEW

QC Approval:


JUN CALIMAG

STATEMENTS OF PASS OR FAIL CONFORMANCE: The uncertainty of measurement has been taken into account when determining compliance with specification. All measurements and test results guard banded to ensure the probability of false-accept does not exceed 2% in compliance with ANSI/NCCL Z540.3-2006 and in case without guard banded the probability of false-accept depending on test uncertainty ratio.

THE CALIBRATION REPORT STATUS:

PASS- Term used when compliance statement is given, and the measurement result is PASS.

PASS²- Term used when compliance statement is given, and the measurement result is conditional passed or PASS².

FAIL- Term used when compliance statement is given, and the measurement result is FAIL.

FAIL²- Term used when compliance statement is given, and the measurement result is conditional failed or FAIL².

REPORT OF VALUE - Term used when reported measurement is not requiring compliance statement in report.

ADJUSTED- When adjustments are made to an instrument which changes the value of measurement from what was measured as found to new value as left.

LIMITED - When an instrument fails calibration but is still functional in a limited manner.

The expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%, unless otherwise stated. This calibration report complies with ISO/IEC 17025:2017 and ANSI/NCCL Z540.3. Calibration cycles and resulting due dates were submitted/approved by the customer. Any number of factors may cause an instrument to drift out of tolerance before the next scheduled calibration. Recalibration cycles should be based on frequency of use, environmental conditions and customer's established systematic accuracy. All standards are traceable to SI through the National Institute of Standards and Technology (NIST) and/or recognized national or international standards laboratories. Services rendered include proper manufacturer's service instruction and are warranted for no less than thirty (30) days. The information on this report pertains only to the instrument identified, this may not be reproduced in part or in a whole without the prior written approval of the issuing MP Calibration Laboratory.