



Cascade Engineering Services, Inc.

6640 185th Ave NE, Redmond, WA 98052

T.425.895.8617, F.425.702.9358

LOWER KITTITAS COUNTY DISTRICT COURT

MAY 22 2020



FILED

CERTIFICATE #: 00218720

# CERTIFICATE OF CALIBRATION

## STANDARD CALIBRATION

### CENTRAL WA UNIVERSITY

400 EAST UNIVERSITY WAY PUBLIC SAFETY-POLICE SERVICES ELLENSBURG, WA 98926

This certifies that the instrument listed herein was calibrated by Cascade Engineering Services' Calibration Laboratory, which is fully accredited in accordance with the recognized International Standards ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration Laboratories. Cascade Engineering Services' Calibration Laboratory also meets the requirements of ANSI/NCCL Z540-1-1994 and any additional program requirements in the field of calibration. Standards used to perform this calibration are certified by or traceable to NIST, natural physical constants, consensus standards or derived by the ratio type of calibrations. All calibrations are performed to manufacturer's specifications unless otherwise noted. Standard Calibration, while still traceable, does not meet all requirements for an Accredited Calibration per ISO/IEC 17025:2017, that is "As Found" data for equipment in tolerance and Measurement Uncertainties are not recorded. This certificate shall not be reproduced, except in full, without prior written approval of the laboratory.

#### DESCRIPTION:

#### SPEED MEASURING DEVICE

ASSET #:	DC092712	SERIAL NUMBER:	DC092712
MANUFACTURER:	APPLIED CONCEPTS INC.	MODEL NUMBER:	STALKER DUAL SL
DEPARTMENT:	N/A	PATROL CAR #:	N/A
ENVIRONMENT:	68.0 °C/35.0 %RH	BASIC ACCURACY:	REFERENCE CAL PROCEDURES
CAL INTERVAL:	12 MONTHS	DUE DATE:	April 23, 2021

#### EQUIPMENT CONDITION AS RECEIVED

Initial testing found this equipment to be "IN TOLERANCE", as defined by the basic accuracy stated above.

#### EQUIPMENT CONDITION AS DELIVERED

At the completion of the calibration, measured values were "IN TOLERANCE", as defined by the basic accuracy stated above.

#### TUNNING FORK(S) SUPPLIED WITH THIS DEVICE

DESCRIPTION	SERIAL NUMBER	RATED SPEED	FREQUENCY
TUNING FORK ONE	FA218694	25 M.P.H.	2612 Hz
TUNING FORK TWO	FB296248	40 M.P.H.	4164 Hz

Antenna 1 SN: 056810, Frequency: 34.727 GHz

Antenna 2 SN: 056817, Frequency: 34.721 GHz

#### STANDARD(S) USED FOR CERTIFICATION

I.D.	MODEL	MANUFACTURER	DESCRIPTION	DUE DATE
MET1231	VOCAR HR	DB INNOVATIONS	HAND HELD RADAR CERTIFICATION SYSTEM	08/28/2020
MET1232	VOCAR HR WAND	DB INNOVATIONS	VOCAR HR WAND	08/28/2020

#### PROCEDURE(S) USED FOR CERTIFICATION

DOCUMENT ID	DESCRIPTION	REV	REV DATE
CP-SMD-001	RADAR AND LIDAR CALIBRATION PROCEDURE	NEW	11/14/2019

#### CERTIFICATION NOTES

I certify (or declare) under penalty of perjury under the laws of the State of Washington that the above information is true and correct

PERFORMED BY Nicolas Mowry  
SENIOR METROLOGIST: NICOLAS MOWRY

LOCATION: Redmond, WA  
CALIBRATION DATE: Thursday, April 23, 2020

THIS LABORATORY IS A2LA ACCREDITED TO ISO/IEC 17025:2017 (GENERAL REQUIREMENTS FOR THE COMPETENCE OF TESTING AND CALIBRATION LABORATORIES), CERTIFICATE #: 2560.01



Cascade Engineering Services, Inc.



6640 185th Ave NE, Redmond, WA 98052

T.425.895.8617, F.425.702.9358

CERTIFICATE #: 00218722

# CERTIFICATE OF CALIBRATION

## STANDARD CALIBRATION

### CENTRAL WA UNIVERSITY

400 EAST UNIVERSITY WAY PUBLIC SAFETY-POLICE SERVICES ELLENSBURG, WA 98926

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#### DESCRIPTION:

#### SPEED MEASURING DEVICE

ASSET #:	86577	SERIAL NUMBER:	GHD-02092
MANUFACTURER:	DECATUR	MODEL NUMBER:	GENESIS HANDHELD DIRECTIONAL
DEPARTMENT:	N/A	PATROL CAR #:	N/A
ENVIRONMENT:	68.0 °C/35.0 %RH	BASIC ACCURACY:	REFERENCE CAL PROCEDURES
CAL INTERVAL:	12 MONTHS	DUE DATE:	April 23, 2021

#### EQUIPMENT CONDITION AS RECEIVED

Initial testing found this equipment to be "IN TOLERANCE", as defined by the basic accuracy stated above.

#### EQUIPMENT CONDITION AS DELIVERED

At the completion of the calibration, measured values were "IN TOLERANCE", as defined by the basic accuracy stated above.

#### TUNING FORK(S) SUPPLIED WITH THIS DEVICE

DESCRIPTION	SERIAL NUMBER	RATED SPEED	FREQUENCY
TUNING FORK ONE	133926	33 M.P.H.	2390 Hz
TUNING FORK TWO	133795	78 M.P.H.	5590 Hz

Antenna 1 SN: HANDHELD, Frequency: 24.153 GHz

#### STANDARD(S) USED FOR CERTIFICATION

I.D.	MODEL	MANUFACTURER	DESCRIPTION	DUE DATE
MET1231	VOCAR HR	DB INNOVATIONS	HAND HELD RADAR CERTIFICATION SYSTEM	08/28/2020
MET1232	VOCAR HR WAND	DB INNOVATIONS	VOCAR HR WAND	08/28/2020

#### PROCEDURE(S) USED FOR CERTIFICATION

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CP-SMD-001	RADAR AND LIDAR CALIBRATION PROCEDURE	NEW	11/14/2019

#### CERTIFICATION NOTES

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PERFORMED BY Nicolas Mowry  
SENIOR METROLOGIST: NICOLAS MOWRY

LOCATION: Redmond, WA  
CALIBRATION DATE: Thursday, April 23, 2020



# Cascade Engineering Services, Inc.

6640 185th Ave NE, Redmond, WA 98052

T.425.895.8617, F.425.702.9358



CERTIFICATE #: 00218725

## CERTIFICATE OF CALIBRATION

### STANDARD CALIBRATION

#### CENTRAL WA UNIVERSITY

400 EAST UNIVERSITY WAY PUBLIC SAFETY-POLICE SERVICES ELLENSBURG, WA 98926

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#### DESCRIPTION:

#### SPEED MEASURING DEVICE

ASSET #:	86576	SERIAL NUMBER:	GHD-02093
MANUFACTURER:	DECATUR	MODEL NUMBER:	GENESIS HANDHELD DIRECTIONAL
DEPARTMENT:	N/A	PATROL CAR #:	N/A
ENVIRONMENT:	68.0 °C/35.0 %RH	BASIC ACCURACY:	REFERENCE CAL PROCEDURES
CAL INTERVAL:	12 MONTHS	DUE DATE:	April 23, 2021

#### EQUIPMENT CONDITION AS RECEIVED

Initial testing found this equipment to be "IN TOLERANCE", as defined by the basic accuracy stated above.

#### EQUIPMENT CONDITION AS DELIVERED

At the completion of the calibration, measured values were "IN TOLERANCE", as defined by the basic accuracy stated above.

#### TUNING FORK(S) SUPPLIED WITH THIS DEVICE

DESCRIPTION	SERIAL NUMBER	RATED SPEED	FREQUENCY
TUNING FORK ONE	175647	33 M.P.H.	2392 Hz
TUNING FORK TWO	175474	77 M.P.H.	5588 Hz

Antenna 1 SN: HANDHELD, Frequency: 24.155 GHz

#### STANDARD(S) USED FOR CERTIFICATION

I.D.	MODEL	MANUFACTURER	DESCRIPTION	DUE DATE
MET1231	VOCAR HR	DB INNOVATIONS	HAND HELD RADAR CERTIFICATION SYSTEM	08/28/2020
MET1232	VOCAR HR WAND	DB INNOVATIONS	VOCAR HR WAND	08/28/2020

#### PROCEDURE(S) USED FOR CERTIFICATION

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