

## TUNING FORK CERTIFICATE

This Tuning Fork has been tested and found to oscillate at  $4,166 \pm 5$  Hertz at  $70^{\circ}\text{F}$  resulting in a calibration signal of 40.25 mph (64.77 km/h) when used with a Ka Band Radar operating at 34.7 GHz. The instrument used to calibrate the tuning fork is traceable to NIST.

Operation from  $-22$  to  $+140^{\circ}\text{F}$  will result in a speed error of less than .5 mph  $-0.0040 \text{ mph}/^{\circ}\text{F}$  (.8 km/h  $-0.0065 \text{ km/h}/^{\circ}\text{F}$ ).

Date JAN 27 2016 Technician (signature) Todd L. Gardner  
Todd L. Gardner

Technician (name) \_\_\_\_\_

Serial # 338408

Applied Concepts, Inc.

Plano, Texas 75074

006-0411-00 Rev D



## TUNING FORK CERTIFICATE

This Tuning Fork has been tested and found to oscillate at  $2,614 \pm 5$  Hertz at  $70^{\circ}\text{F}$  resulting in a calibration signal of 25 mph (40 kph) when used with a Ka Band Radar operating at 34.7 GHz. The instrument used to calibrate the tuning fork is traceable to NIST.

Operation from  $-22^{\circ}\text{F}$  to  $+140^{\circ}\text{F}$  will result in an error of less than .5 mph (.8 kph).

Date JAN 27 2016 Technician (signature) Todd L. Gardner

Technician (name) Todd L. Gardner

Serial # 233918

Applied Concepts, Inc.

Plano, Texas 75074

006-0410-00 Rev C



# CERTIFICATE OF ACCURACY

I hereby certify this STALKER® Speed Measuring Device.

Computing Unit: S.N. DE4833

Antenna #1: S.N. KC109986

Frequency 34.72 GHz

Power Density 1.5 mw/cm<sup>2</sup>

Antenna #2: S.N. KC109511

Frequency 34.73 GHz

Power Density 1.2 mw/cm<sup>2</sup>

Under my supervision, this Speed Measuring Device has been checked for accuracy and correct operation.

This STALKER® Speed Measuring Device is certified accurate within  $\pm 1$  mph ( $\pm 2$  km/h) in stationary mode, and/or  $\pm 2$  mph ( $\pm 3$  km/h) in moving mode.

The transmitter frequency of this speed measuring radar device has been tested and found to be within the prescribed limits as established by the Federal Communications Commission.

The measured Power Density of this speed measuring device has been tested and found to be below the ANSI Standard of 5.0 mw/cm<sup>2</sup> for this device.

All test instruments are traceable to NIST.

Technician (signature)



Date: 01/28/2016

Technician: Hani Almikhlafi

Technician overseen by: Roland Rickerd

Applied Concepts, Inc. | Plano, Texas 75074

006-0147-00 Rev N  
16746