

## TUNING FORK CERTIFICATE

This Tuning Fork has been tested and found to oscillate at  $2,614 \pm 5$  Hertz at  $70^\circ\text{F}$  ( $21^\circ\text{C}$ ) resulting in a calibration signal of 25 mph (40 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  $+140^\circ\text{F}$  ( $-30^\circ\text{C}$  to  $60^\circ\text{C}$ ) will result in a speed error of less than 0.5 mph,  $-0.0025$  mph/ $^\circ\text{F}$  (0.8 km/h,  $-0.0041$  km/h/ $^\circ\text{C}$ ).

Date NOV 5 2018 Technician (signature) Todd L. Gardner

Todd L. Gardner

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

Serial # 261528

Applied Concepts, Inc.



Plano, Texas 75074

006-0410-00 Rev D

## TUNING FORK CERTIFICATE

This Tuning Fork has been tested and found to oscillate at  $4,166 \pm 5$  Hertz at  $70^\circ\text{F}$  ( $21^\circ\text{C}$ ) resulting in a calibration signal of 40mph (64 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  $+140^\circ\text{F}$  ( $-30^\circ\text{C}$  to  $60^\circ\text{C}$ ) will result in a speed error of less than 0.5 mph,  $-0.0040$  mph/ $^\circ\text{F}$  (0.8 km/h,  $-0.0065$  km/h/ $^\circ\text{C}$ ).

Date NOV 5 2018 Technician (signature) Todd L. Gardner

Todd L. Gardner

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

Serial # 369208

Applied Concepts, Inc.



Plano, Texas 75074

006-0411-00 Rev E