



**Certificate of Compliance
for the
Calibration of Redflex Camera Enforcement System**

We, Redflex Traffic Systems Pty Ltd of 31 Market Street, South Melbourne, Victoria, Australia 3205 hereby certify that the Redflex Enforcement Camera system comprising of the components as listed below, has been calibrated according to the Home Office Speed Meter Handbook (fourth edition) 15/05, and the timing of the secondary check has been verified and both comply with the terms of the specification for type approval.

Location	4434B - M1
Redflex NK7 - Serial number:	HAD01476
Speed Radar - Serial number:	112206-0013
Tracking Radar - Serial number:	111793-0008
Date of calibration:	25/06/2020
Certificate Number:	CV10103067
Calibration carried out by:	Martin Watson
Signature:	
Checked By:	Ron Moore
Signature:	



CERTIFICATION RECORD

CALIBRATION CERTIFICATE NUMBER:	CV10103067	REDFLEX NK7 SERIAL NUMBER:	HAD01476
SR CERTIFICATE NUMBER:	<i>706192</i>	SERIAL NUMBER:	<i>112206-0013</i>
PRODUCT MODEL:	AGD SR-340		
FIRMWARE VERSION:	<i>MI-096-1</i>	TEST SOFTWARE VERSION:	<i>1.3.1.7</i>
DATE OF CERTIFICATION:	<i>25 June 2020</i>	RADAR TEMPERATURE (°C):	<i>46.94</i>
RELATIVE HUMIDITY (%):	<i>37.90</i>	AMBIENT TEMPERATURE (°C):	<i>28.80</i>
CERTIFICATION TEST PROCEDURE REFERENCE:	See 1201-007 REDFLEXradar-Certification System User Manual		
DESCRIPTION	COMMENT		Pass/Fail
EQUIPMENT TESTS			<i>Pass</i>
VISUAL INSPECTION			<i>Pass</i>
SPEED MEASUREMENTS			<i>Pass</i>
DESCRIPTION	MEASURED	LIMITS	
TRANSMIT FREQUENCY MEASUREMENT (GHz)	<i>24.09633275</i>	24.080 - 24.120	<i>Pass</i>
TRACEABILITY RECORDS OF INSTRUMENTS USED IN CERTIFICATION TEST			
INSTRUMENT DESCRIPTION:	SERIAL NUMBER:	CALIBRATION CERTIFICATE NUMBER:	NEXT CALIBRATION DUE DATE:
TEKTRONIX AFG3022B Function Generator	<i>C014082</i>	<i>20010679</i>	<i>15 January 2021</i>
PENDULUM CNT-90XL Frequency Counter	<i>413964</i>	<i>3208860001</i>	<i>16 January 2021</i>
FLUKE 971 Temperature Humidity Meter	<i>35181596</i>	<i>20010680</i>	<i>15 January 2021</i>
AGD MC-116 Target Simulator	<i>106553-0002</i>	<i>116055</i>	<i>21st January 2021</i>
CERTIFICATION TEST CARRIED OUT BY:	Martin Watson	NEXT CERTIFICATION TEST DUE:	24 June 2021
CHECKED BY	Ron Moore	<i>Template V20190304 (SR)</i>	



SPEED MEASUREMENT

CALIBRATION CERTIFICATE NUMBER:	CV10103067	REDFLEX NK7 SERIAL NUMBER:	HAD01476
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SERIAL NO: 112206-0013

Simulated Speed (mph)	Measured Speed (mph)				Speed Limits (mph)	Pass/Fail
	Advancing Min	Advancing Max	Receding Min	Receding Max		
13.05	13.05	13.05	13.05	13.05	12.74 - 13.36	Pass
18.64	18.58	18.63	18.58	18.63	18.33 - 18.95	Pass
24.85	24.85	24.85	24.85	24.85	24.54 - 25.17	Pass
31.07	31.01	31.02	31.01	31.03	30.76 - 31.38	Pass
37.28	37.28	37.28	37.28	37.28	36.97 - 37.59	Pass
43.50	43.43	43.43	43.43	43.43	43.19 - 43.81	Pass
49.71	49.71	49.71	49.71	49.71	49.40 - 50.02	Pass
55.92	55.86	55.86	55.86	55.86	55.61 - 56.23	Pass
62.14	62.07	62.14	62.07	62.14	61.83 - 62.45	Pass
68.35	68.29	68.29	68.29	68.29	68.04 - 68.66	Pass
74.56	74.50	74.56	74.50	74.56	74.25 - 74.88	Pass
80.78	80.72	80.72	80.72	80.72	80.47 - 81.09	Pass
86.99	86.93	86.94	86.93	86.94	86.68 - 87.30	Pass
93.21	93.14	93.14	93.14	93.14	92.89 - 93.52	Pass
99.42	99.36	99.36	99.36	99.36	99.11 - 99.73	Pass
105.63	105.57	105.57	105.57	105.57	105.32 - 105.94	Pass
111.85	111.78	111.78	111.78	111.78	111.54 - 112.16	Pass
118.06	118.00	118.00	118.00	118.00	117.75 - 118.37	Pass
124.27	124.21	124.21	124.21	124.21	123.96 - 124.58	Pass
136.70	136.58	136.63	136.58	136.63	136.39 - 137.01	Pass
149.13	149.00	149.00	149.00	149.00	148.82 - 149.44	Pass
161.56	161.43	161.43	161.43	161.43	161.25 - 161.87	Pass
173.98	173.86	173.86	173.86	173.86	173.67 - 174.29	Pass
186.41	186.29	186.29	186.29	186.29	186.10 - 186.72	Pass

Template V20190304 (SR)



CERTIFICATION RECORD

CALIBRATION CERTIFICATE NUMBER:	CV10103067	REDFLEX NK7 SERIAL NUMBER:	HAD01476
TR CERTIFICATE NUMBER:	31700665	SERIAL NUMBER:	111793-0008
PRODUCT MODEL:	AGD TR-317		
BIOS VERSION:	MI-135-7	DSP SOFTWARE VERSION:	MI-144-9
PIC FIRMWARE VERSION:	N/A	TEST SOFTWARE VERSION:	1.3.1.7
DATE OF CERTIFICATION:	25 June 2020	RADAR TEMPERATURE (°C):	N/A
RELATIVE HUMIDITY (%):	34.60	AMBIENT TEMPERATURE (°C):	28.70
CALIBRATED BANDWIDTH (MHz):	41.70		
CERTIFICATION TEST PROCEDURE REFERENCE:	See 1201-007 REDFLEXradar-Certification System User Manual		
DESCRIPTION	COMMENT		
EQUIPMENT TESTS			Pass
VISUAL INSPECTION			Pass
SPEED AND RANGE MEASUREMENTS			Pass
DESCRIPTION	MEASURED	LIMITS	PASS/FAIL
TRANSMIT FREQUENCY MEASUREMENT (GHz)	24.12423757	24.123 - 24.127	Pass
BANDWIDTH MEASUREMENT (MHz)	42.00	40.00 - 44.00	Pass
TRACEABILITY RECORDS OF INSTRUMENTS USED IN CERTIFICATION TEST			
INSTRUMENT DESCRIPTION:	SERIAL NUMBER:	CALIBRATION CERTIFICATE NUMBER:	NEXT CALIBRATION DUE DATE:
TEKTRONIX AFG3022B Function Generator	C014082	20010679	15th January 2021
PENDULUM CNT-90XL Frequency Counter	413964	3208860001	16th January 2021
FLUKE 971 Temperature Humidity Meter	35181596	20010680	15th January 2021
AGD MC-116 Target Simulator	106553-0002	116055	21st January 2021
CERTIFICATION TEST CARRIED OUT BY:	Martin Watson	NEXT CERTIFICATION TEST DUE:	24 June 2021
CHECKED BY:	Ron Moore	Template V20190304 (TR)	



SPEED AND RANGE MEASUREMENT

CALIBRATION CERTIFICATE NUMBER:	CV10103067	REDFLEX NK7 SERIAL NUMBER:	HAD01476
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SERIAL NO: **111793-0008**

Simulated Range (m)	Simulated Speed (mph)	Measured Advancing Range (m)	Measured Advancing Speed (mph)	Measured Receding Range (m)	Measured Receding Speed (mph)	Range Limits (m)	Speed Limits (mph)	Pass/Fail
23.80	31.07	23.99	31.01	23.70	31.01	22.10 - 25.50	30.76 - 31.38	Pass
23.80	62.14	24.10	62.14	23.60	62.14	22.10 - 25.50	61.83 - 62.45	Pass
23.80	93.21	24.12	93.27	23.55	93.27	22.10 - 25.50	92.89 - 93.52	Pass
23.80	124.27	24.20	124.34	23.50	124.34	22.10 - 25.50	123.96 - 124.58	Pass
23.80	155.34	24.20	155.34	23.50	155.34	22.10 - 25.50	155.03 - 155.65	Pass
23.80	186.41	24.10	186.41	23.60	186.41	22.10 - 25.50	186.10 - 186.72	Pass
51.00	7.46	51.10	7.52	51.10	7.52	49.30 - 52.70	7.15 - 7.77	Pass
51.00	12.43	51.13	12.43	51.10	12.43	49.30 - 52.70	12.12 - 12.74	Pass
51.00	18.64	51.20	18.70	51.00	18.70	49.30 - 52.70	18.33 - 18.95	Pass
51.00	24.85	51.20	24.85	51.00	24.85	49.30 - 52.70	24.54 - 25.17	Pass
51.00	31.07	51.20	31.01	51.00	31.01	49.30 - 52.70	30.76 - 31.38	Pass
51.00	37.28	51.20	37.28	51.00	37.28	49.30 - 52.70	36.97 - 37.59	Pass
51.00	43.50	51.29	43.56	50.94	43.56	49.30 - 52.70	43.19 - 43.81	Pass
51.00	49.71	51.30	49.71	50.90	49.71	49.30 - 52.70	49.40 - 50.02	Pass
51.00	55.92	51.30	55.90	50.90	55.92	49.30 - 52.70	55.61 - 56.23	Pass
51.00	62.14	51.30	62.14	50.90	62.14	49.30 - 52.70	61.83 - 62.45	Pass
51.00	68.35	51.30	68.41	50.90	68.41	49.30 - 52.70	68.04 - 68.66	Pass
51.00	74.56	51.36	74.62	50.88	74.63	49.30 - 52.70	74.25 - 74.88	Pass
51.00	80.78	51.40	80.78	50.80	80.78	49.30 - 52.70	80.47 - 81.09	Pass
51.00	86.99	51.40	86.99	50.80	86.99	49.30 - 52.70	86.68 - 87.30	Pass
51.00	93.21	51.40	93.27	50.80	93.27	49.30 - 52.70	92.89 - 93.52	Pass
51.00	99.42	51.40	99.48	50.80	99.48	49.30 - 52.70	99.11 - 99.73	Pass
51.00	105.63	51.40	105.63	50.80	105.63	49.30 - 52.70	105.32 - 105.94	Pass
51.00	111.85	51.40	111.85	50.80	111.85	49.30 - 52.70	111.54 - 112.16	Pass
51.00	118.06	51.42	118.13	50.79	118.15	49.30 - 52.70	117.75 - 118.37	Pass
51.00	124.27	51.46	124.34	50.75	124.34	49.30 - 52.70	123.96 - 124.58	Pass
51.00	136.70	51.49	136.70	50.73	136.70	49.30 - 52.70	136.39 - 137.01	Pass
51.00	149.13	51.48	149.19	50.73	149.19	49.30 - 52.70	148.82 - 149.44	Pass
51.00	161.56	51.42	161.56	50.79	161.56	49.30 - 52.70	161.25 - 161.87	Pass
51.00	173.98	51.40	174.05	50.80	174.05	49.30 - 52.70	173.67 - 174.29	Pass
51.00	186.41	51.39	186.41	50.81	186.41	49.30 - 52.70	186.10 - 186.72	Pass
81.60	31.07	81.90	31.01	81.67	31.01	79.90 - 83.30	30.76 - 31.38	Pass
81.60	62.14	82.00	62.14	81.54	62.14	79.90 - 83.30	61.83 - 62.45	Pass
81.60	93.21	82.10	93.27	81.50	93.27	79.90 - 83.30	92.89 - 93.52	Pass
81.60	124.27	82.10	124.34	81.40	124.34	79.90 - 83.30	123.96 - 124.58	Pass
81.60	155.34	82.10	155.34	81.40	155.34	79.90 - 83.30	155.03 - 155.65	Pass
81.60	186.41	82.00	186.41	81.50	186.41	79.90 - 83.30	186.10 - 186.72	Pass

Template V20190304 (TR)