

# CALIBRATION CERTIFICATE

for

**Truvelo Combi Smc Speed Camera System**

**Model :** Combi Smc

**Serial No:** 897

**Report No:** 929

**Certificate No:** 929

**Date of Calibration:** 6<sup>th</sup> January 2009

**Next Calibration:** 5<sup>th</sup> January 2010

**Customer:** South Yorkshire Police

We hereby confirm that the above equipment has been tested and calibrated, and conforms to the manufacturer's specifications.

The secondary check timings were measured over a range of speeds from 20 m.p.h. to 120 m.p.h. and found to be within the manufacturers specifications.

We certify that any parts replaced during the calibration process are identical to those used in the type approved device.

Copies of the test procedure, calibration results and test equipment Certificates of Calibration are held by Truvelo (UK) Ltd.

**For Truvelo (UK) Ltd**



R Cleveland  
Service Manager

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**TRUVELO (UK) LTD**

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## SIMULATED SPEEDS & CAMERA SHUTTER TIMING TEST RESULTS

### Option 1 (Tolerance +/- 2ms)

Simulated Speeds	Cal Time To 1.8m	Displayed Speeds	Displayed Time	Measured Time	Displayed Speeds	Displayed Time	Measured Time	Displayed Speeds	Displayed Time	Measured Time
(mph)	(ms)	(mph)	(ms)	(ms)	(mph)	(ms)	(ms)	(mph)	(ms)	(ms)
20	201.324	20	201	201.1030	20	201	201.0682	20	201	201.0880
40	100.662	40	100	100.3786	40	100	100.4417	40	100	100.3526
60	67.108	60	66	66.8471	60	66	66.8842	60	66	66.8498
80	50.33	80	50	50.1679	80	50	50.0892	80	50	50.0906
100	40.265	100	40	39.9977	100	40	39.9643	100	39	40.0132

### Option 3 (Tolerance +/- 2ms)

Simulated Speeds	Cal Time To 1.8m	Displayed Speeds	Displayed Time	Measured Time	Displayed Speeds	Displayed Time	Measured Time	Displayed Speeds	Displayed Time	Measured Time
(mph)	(ms)	(mph)	(ms)	(ms)	(mph)	(ms)	(ms)	(mph)	(ms)	(ms)
20	201.324	20	500	500.1180	20	500	500.0483	20	500	500.1240
40	100.662	40	500	500.1874	40	500	500.0997	40	500	500.1696
60	67.108	60	500	500.2192	60	500	500.0625	60	500	500.1617
80	50.33	80	500	500.1732	80	499	499.9370	80	500	500.1908
100	40.265	100	500	500.1587	100	500	500.0157	100	500	500.2006

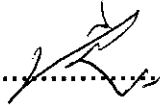
The above camera timings are used in the appropriate secondary check depending on the photographic option chosen. All are within specification.

**Formula for Time = (Dist x 3600) ÷ (Speed x 1.609344)**

**[use meters for dist and mph for Speed]**

<b>Combi Ser No:</b>	<b>897</b>	<b>Camera Ser No:</b>	<b>36DCE 259899</b>	<b>Lens Ser No:</b>	<b>14839170</b>
<b>Certificate No:</b>	<b>929</b>	<b>Date of Calibration:</b>	<b>6<sup>th</sup> January 2009</b>		

Calibrated by: M. Nateghi

Signature:  .....