

T e s t R e p o r t

Report No : L15692

Client: : Vysionics Intelligent Traffic Solutions
430 Frimley Business Park
Frimley
Surrey
GU16 7SG

Description : ANPR specific Infra-red

Manufacturer : Vysionics Intelligent Traffic Solutions

Type/Model : VYS-8601-V1-5

Test Specification : Measurement of power consumption in accordance with the
'Unmetered Supplies Operational Information Document' –
Version 14.0 (17/12/2014)


Date Testing Started : 29/03/2016

Conclusion : Refer to body of report

Date of Issue : 30/03/2016

Date of Expiry : 29/03/2021

Tested by: S. RICHARDS
Position: Photometrics Engineer



Approved: K. GOVINDEN
Position: Technical Manager



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INTRODUCTION

Vysionics Intelligent Traffic Solutions has supplied the product identified in table 1 for measurement of power consumption in accordance with the 'Unmetered Supplies Operational Information Document' – Version 14.0 (17/12/2014).

PRODUCT DETAILS

Table 1. Test Sample Details

Product Description	ANPR specific Infra-red
Model No.	VYS-8601-V1-5
Number of Samples	Five
Condition on Receipt	Good
Nominal Dimensions	300x170x100mm
Product Supply Requirement	100-240V AC 50/60Hz
Lamp Type and Power	N/A 25W
Sampling Method: Test samples selected and supplied by client, no sampling method specified by client.	

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RESULTS

Table 2. *Wattage and VA results for ANPR specific Infra-red, VYS-8601-V1-5*

Operating Mode	100%				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	24.22	25.42	24.47	24.19	24.50
220	23.90	25.27	24.46	24.02	24.31
230	24.05	25.15	24.35	24.00	24.27
240	24.13	25.17	24.16	23.94	24.32
250	23.90	25.06	24.20	23.87	24.18
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	45.39	37.97	41.77	44.49	42.04
220	44.31	38.12	41.92	44.69	41.87
230	45.13	38.02	41.57	44.62	41.70
240	45.17	38.93	40.90	44.42	42.24
250	44.29	38.83	41.80	46.10	42.24
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.53	0.67	0.59	0.54	0.58
220	0.54	0.66	0.58	0.54	0.58
230	0.53	0.66	0.59	0.54	0.58
240	0.53	0.65	0.59	0.54	0.58
250	0.54	0.65	0.58	0.52	0.57
Ambient Temperature During Test (°C)			25.0		
PF Leading/Lagging			Leading		

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DEVIATION(S) FROM TEST STANDARD

No reported deviations from test standard.

MEASUREMENT UNCERTAINTY

The following expanded uncertainties apply to the measurements shown in the results;

True Power (W): $\pm 0.69\%$, Apparent Power (VA): $\pm 0.61\%$

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a coverage probability of approximately 95%. The uncertainty evaluation has been carried out in accordance with UKAS requirements.

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ILLUSTRATION



Figure 1. Product image

End