

## T e s t R e p o r t

**Report No** : L15644 Amd 1

**Client:** : The Technology Partnership plc  
Melbourn Science Park  
Melbourn  
Hertfordshire  
SG8 6EE

**Description** : SubMaster SMIII/DALI

**Manufacturer** : Mayflower Complete Lighting Control

**Type/Model** : SubMaster SMIII/DALI

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

**Date Testing Started** : 23/03/2016

**Conclusion** : Refer to body of report

**Date of Issue** : 01/04/2016

**Date of Expiry** : 29/03/2021

**Tested by:** P.SITPURA  
**Position:** Laboratory Technician



**Approved:** K.GOVINDEN  
**Position:** Technical Manager



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**Note:** This amendment 1 is at the client's request to amend the product code, description and manufacturer.

## **INTRODUCTION**

The Technology Partnership plc 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	SubMaster SMIII/DALI
Model No.	SubMaster SMIII/DALI
Number of Samples	Five
Condition on Receipt	Good
Nominal Dimensions	140mm x 135mm
Product Supply Requirement	240V 50Hz
Lamp Type and Power	2W
Sampling Method: Test samples selected and supplied by client, no sampling method specified by client.	

The customer has declared that the equipment load does not vary with ambient temperature.

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## **RESULTS**

Table 2. *Wattage and VA results for SubMaster SMIII/DALI*

Operating Mode	100%				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	1.95	2.00	1.90	2.00	1.97
220	2.00	2.10	1.85	2.01	1.99
230	2.02	2.03	1.88	2.06	2.02
240	2.02	2.05	2.00	1.98	2.06
250	2.06	2.10	2.04	2.11	2.08
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	5.09	5.20	5.06	5.22	5.14
220	5.24	5.32	4.92	5.31	5.23
230	5.44	5.40	5.03	5.47	5.38
240	5.44	5.50	5.40	5.32	5.54
250	5.60	5.72	5.56	5.72	5.66
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.38	0.38	0.38	0.38	0.38
220	0.38	0.39	0.38	0.38	0.38
230	0.37	0.38	0.37	0.38	0.38
240	0.37	0.37	0.37	0.37	0.37
250	0.37	0.37	0.37	0.37	0.37
Ambient Temperature During Test (°C)			25.0		
PF Leading/Lagging			Lagging		

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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**

This page is to be read in conjunction with the first page of this report