


Test Report No.: <i>Prüfbericht-Nr.:</i>	60361530 001	Order No.: <i>Auftrags-Nr.:</i>	252102556	Page 1 of 9 <i>Seite 1 von 9</i>
Client Reference No.: <i>Kunden-Referenz-Nr.:</i>	622061	Order date: <i>Auftragsdatum:</i>	09-Apr-2020	
Client: <i>Auftraggeber:</i>	Aldridge Traffic Systems P/L 12-14 Leeds St, Rhodes, NSW 2138, Australia			
Test item: <i>Prüfgegenstand:</i>	Data Concentrator			
Identification / Type No.: <i>Bezeichnung / Typ-Nr.:</i>	RTU200Z			
Test specification: <i>Prüfgrundlage:</i>	Refer to page 2			
Date of receipt: <i>Wareneingangsdatum:</i>	24-Apr-2020	<p>Detailed photo documentation See photo document section of this report</p>  <p>Detaillierte Fotodokumentation Siehe Fotodokument dieses Berichts</p>		
Test sample No.: <i>Prüfmuster-Nr.:</i>	A002814818-001 to A002814818-010			
Testing period: <i>Prüfzeitraum:</i>	24-Apr-2020 to 01-May-2020			
Place of testing: <i>Ort der Prüfung:</i>	TUV Rheinland Australia Pty Ltd			
Testing laboratory: <i>Prüflaboratorium:</i>	TUV Rheinland Australia Pty Ltd			
Test result*: <i>Prüfergebnis*:</i>	Samples were submitted for measurement only, no compliance limits			
tested by / geprüft von:		reviewed by / kontrolliert von:		
18-May-2020 Sathvik Varma P. / Test Engineer		18-May-2020 Daniel Ngo / Reviewer		
Date <i>Datum</i>	Name / Position <i>Name / Stellung</i>	Signature <i>Unterschrift</i>	Date <i>Datum</i>	Name / Position <i>Name / Stellung</i>
				Signature <i>Unterschrift</i>
Other / Sonstiges:				
- Power consumption measurement at rated voltage for AEMO (Australian Energy Market Operator) at lab condition (Ambient (20±5)°C, Relative Humidity (45–75)%).				
Condition of the test item at delivery: <i>Zustand des Prüfgegenstandes bei Anlieferung:</i>		New sample, no damage		
*Legend: P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested Legende: P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet				
This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark. <i>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.</i>				

Test Report

General remarks:

1. This report shall not be reproduced, except in full.
2. Details in test data / test plan no. 252102556.
3. Reporting of results herein is in accordance with NATA recommendations taking into account U of M.
 - (a) For minimum limits - Where measurement is on the limit or above the limit it is deemed to comply.
Where measurement is below the limit it is deemed not to comply.
 - (b) For maximum limits - Where measurement is on the limit or below the limit it is deemed to comply.
Where measurement is above the limit it is deemed not to comply.
4. For reporting of results the estimated uncertainty for measurement taken into account at 95% confidence level.
5. This test report is based on assessment and tests applied to the specific test item(s) as submitted by the client.
6. TÜV Rheinland Australia disclaims any and all responsibility or obligation for any other item.
7. LCP test was conducted on 10 samples per requested schemes.

Description of the test item:

Test items are branded: **Aldridge Traffic Systems Pty Ltd**

Model / type number: **RTU200Z**; Rating: 230-240Vac 50 Hz 5W.

Uncertainty of equipment used:

Equipment	Equipment No.	Range used	Uncertainty	Calibration Due Date
Digital Power Meter Model: WT310	MEL-1464	Voltage: 150V-240V	±0.08V	09-Dec-2020
		Current: 0.1A	±0.0001A	
		Power: 23W	±0.05W	
		Power Factor: 1	±0.001pf	

Test procedure:

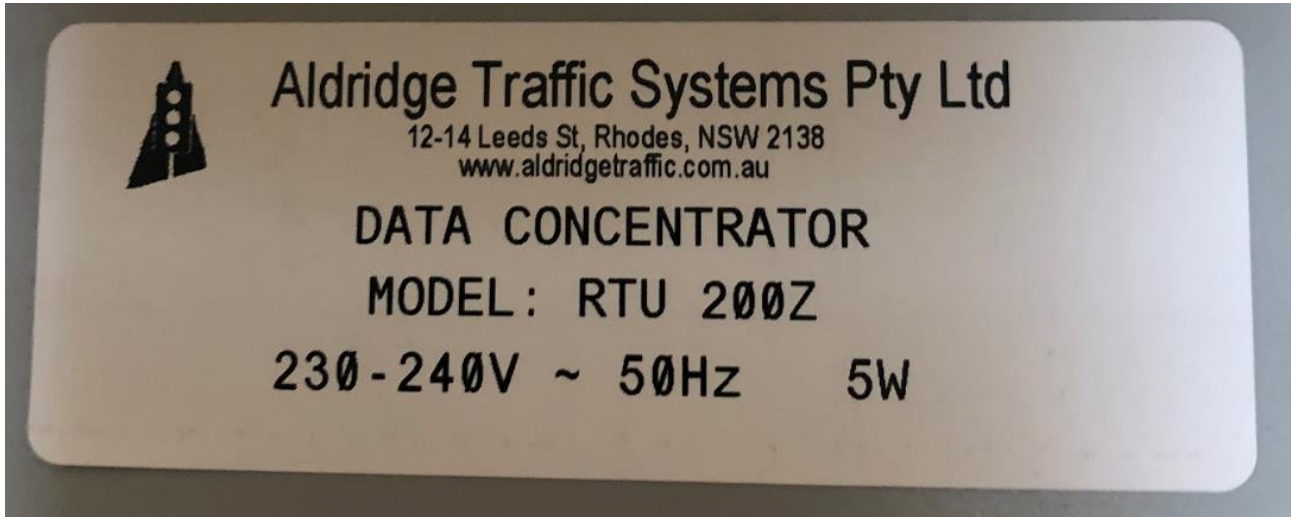
The submitted test samples (consisted of the supplied lamp and control gear combination, if applicable) for the lamp circuit power consumption measurement were placed in a draught free room and at the laboratory condition (Ambient (20±5)°C, Relative Humidity (45–75)%) for 24 hours before and during the measurement.

The test samples were connected to the power source and supplied with voltage and frequency as listed in "TABLE: Power Measurement". The test samples were operated until the conditions of overall temperature equilibrium were established or at least 4 hours in stabilized operation with the supplied sources. Then the total power consumption measurements have been taken by power meter.

	Test Item	Supplied Voltage (V)	Frequency (Hz)	Measured Power (W)	Measured Current (mA)	Power Factor
1	RTU200Z	220	50	4.57	29.93	0.6945
		230	50	4.21	28.39	0.6449
		240	50	4.06	27.85	0.6074
2	RTU200Z	220	50	4.37	29.12	0.6826
		230	50	3.98	27.29	0.6337
		240	50	4.10	27.65	0.6179
3	RTU200Z	220	50	4.89	31.12	0.7149
		230	50	4.45	29.10	0.6648
		240	50	4.51	29.36	0.6400
4	RTU200Z	220	50	3.97	27.61	0.6532
		230	50	4.01	27.75	0.6289
		240	50	4.02	27.51	0.6035
5	RTU200Z	220	50	4.38	29.01	0.6864
		230	50	4.03	27.65	0.6332
		240	50	3.99	27.52	0.6034
6	RTU200Z	220	50	3.99	27.70	0.6546
		230	50	4.38	29.01	0.6566
		240	50	4.33	28.74	0.6271
7	RTU200Z	220	50	4.83	31.08	0.7057
		230	50	4.88	31.00	0.6842
		240	50	3.97	27.72	0.5962
8	RTU200Z	220	50	4.08	28.07	0.6615
		230	50	4.43	29.13	0.6608
		240	50	4.10	27.91	0.6118
9	RTU200Z	220	50	3.95	27.93	0.6427
		230	50	3.95	27.82	0.6171
		240	50	3.96	27.91	0.5908

10	RTU200Z	220	50	4.06	28.09	0.6570
		230	50	4.52	29.58	0.6638
		240	50	4.06	27.85	0.6069

Markings



Rating Label

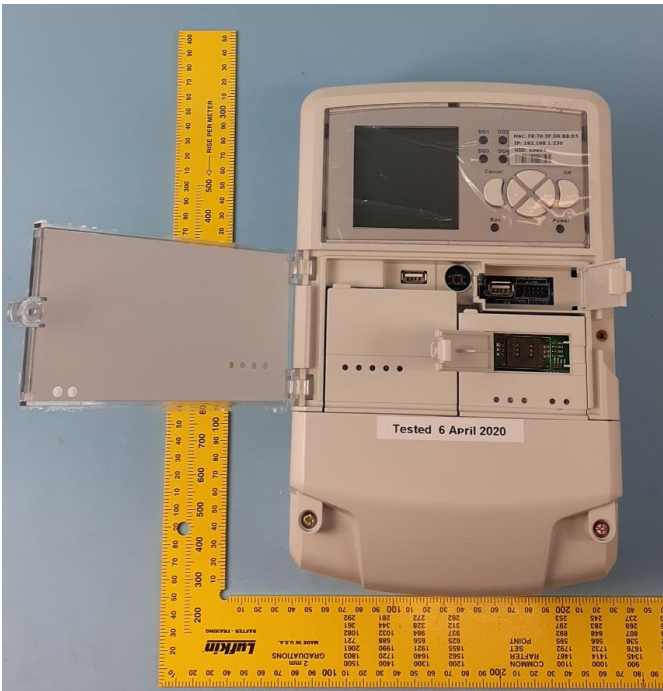
Photos



Product Overview



Product Overview



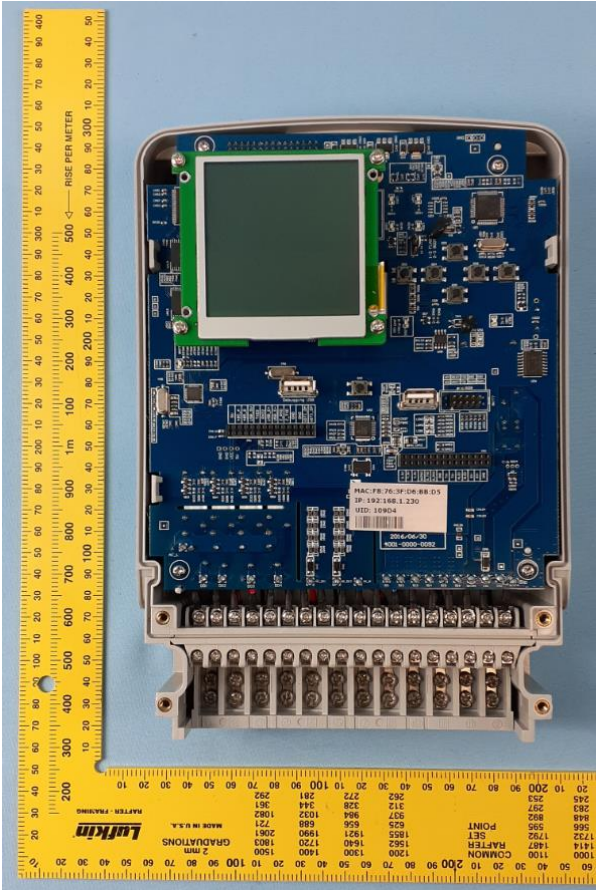
Product Overview



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End of the Test Report