



**DISTRIBUTION EQUIPMENT DEPARTMENT
METER DIVISION METER TESTING SECTION
TEST REPORT**

No. MT lab 31/2558

Equipment : THREE-PHASE 4- WIRE MULTIFUNCTION POLYPHASE METER
Model/Type/Sr.No. : mitsubishi MX2-C42E ID No. 3700277
Rated : 3x220/380-240/415V 5(10)A 50Hz 50000imp/kWh, kvarh
kWh Class 0.5s and kvarh Class 2.0
Manufacturer : MITSUBISHI ELECTRIC AUTOMATION (THAILAND) CO.,LTD.
Customer : MITSUBISHI ELECTRIC AUTOMATION (THAILAND) CO.,LTD.

Reference Standard Equipment

- ZERA GmbH Model: MT 3000 Serial No. 10206301 Accuracy class: 0.02%

Traceability

Periodic checks of MEA's reference standard are done with the ZERA GmbH (Germany) Lab's energy standard

The ZERA GmbH Lab's energy standard is subject to periodic traceability checks to the Physikalisch-Technische Bundesanstalt (PTB), Germany

Ambient Temp. : 25 ± 3 °C

Relative Humid. : 55 ± 10 %

Test Report issued : September 10, 2015

Due Date : September, 2020

Approved By : Mr. Uthai

(Mr. Uthai Watanathaworn) Asst. Chief of meter testing section

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ENERGY MEASUREMENT RATED VOLTAGE 3P 4W

Current (A)	Ph.	P.	Active Energy Error (%)					Reactive Energy Error (%)				
			[Meter Constant = 50000imp/kWh]					[Meter Constant = 50000imp/kvarh]				
			PF.	1 st	2 nd	3 rd	Avg.	sinφ	1 st	2 nd	3 rd	Avg.
10	ABC	+	1.0	0.30	0.29	0.31	0.30	1.0	0.31	0.29	0.33	0.31
10	ABC	+	0.5L	0.24	0.23	0.25	0.24	0.5	0.35	0.36	0.37	0.36
10	ABC	+	0.8c	0.31	0.29	0.31	0.30	0.25	0.43	0.44	0.45	0.44
5	ABC	+	1.0	0.31	0.28	0.30	0.30	1.0	0.29	0.31	0.32	0.31
5	ABC	+	0.5L	0.29	0.29	0.30	0.29	0.5	0.29	0.34	0.35	0.33
5	ABC	+	0.8c	0.32	0.32	0.31	0.32	0.25	0.35	0.36	0.39	0.37
5	A - -	+	1.0	0.28	0.27	0.29	0.28	1.0	0.23	0.24	0.26	0.24
5	- B -	+	1.0	0.32	0.33	0.34	0.33	1.0	0.27	0.29	0.30	0.29
5	- - C	+	1.0	0.34	0.35	0.35	0.35	1.0	0.35	0.36	0.37	0.36
0.5	ABC	+	1.0	0.33	0.32	0.32	0.32	1.0	0.32	0.33	0.35	0.33
0.5	ABC	+	0.5L	0.36	0.37	0.36	0.36	0.5	0.28	0.29	0.30	0.29
0.5	ABC	+	0.8c	0.31	0.31	0.30	0.31	0.25	0.21	0.23	0.24	0.23
0.25	ABC	+	1.0	0.33	0.32	0.33	0.33	1.0	0.32	0.33	0.34	0.33
0.25	ABC	+	0.5L	0.36	0.34	0.35	0.35	0.5	0.26	0.28	0.29	0.28
0.25	ABC	+	0.8c	0.30	0.28	0.29	0.29	0.25	0.21	0.22	0.23	0.22
0.1	ABC	+	1.0	0.30	0.29	0.29	0.29	1.0	0.31	0.32	0.36	0.33
0.1	ABC	+	0.5L	0.32	0.30	0.31	0.31	0.5	0.26	0.27	0.29	0.27
0.1	ABC	+	0.8c	0.27	0.29	0.28	0.28	-	-	-	-	-
0.05	ABC	+	1.0	0.26	0.25	0.28	0.26	1.0	0.29	0.31	0.34	0.31

[] Register Test

[] No Load Test

Test Result: "SATISFACTORY"

Tested By : *Porntep Srimee*

[Mr. Porntep Srimee] Electrical Technician

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