



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

No. MT lab 28/2558

Equipment : SINGLE-PHASE 2- WIRE MULTIFUNCTION SINGLE-PHASE METER  
Model/Type/Sr.No. : mitsubishi MX2-A02E ID No. 4760002  
Rated : 220-240V 10(100)A 50Hz 15000imp/kWh, kvarh  
kWh Class 1.0 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. :  $25 \pm 3$  °C

Relative Humid. :  $55 \pm 10$  %

Test Report issued : September 10, 2015

Due Date : September, 2020

Approved By : *w. uthai* .....

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

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**ENERGY MEASUREMENT RATED VOLTAGE 1P 2W**

Current (A)	P.	Active Energy Error (%) [Meter Constant = 15000imp/kWh]					Reactive Energy Error (%) [Meter Constant = 15000imp/kvarh]				
		PF.	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	Avg.	sinφ	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	Avg.
		100	+	1	-0.12	-0.11	-0.13	-0.12	1.0	-0.12	-0.12
100	+	0.5 <sub>L</sub>	-0.36	-0.35	-0.36	-0.36	0.5	0.02	0.01	0.02	0.02
100	+	0.8 <sub>C</sub>	-0.12	-0.12	-0.12	-0.12	0.25	0.16	0.17	0.16	0.16
10	+	1	-0.13	-0.13	-0.13	-0.13	1.0	-0.11	-0.11	-0.11	-0.11
10	+	0.5 <sub>L</sub>	0.24	0.25	0.24	0.25	0.5	-0.53	-0.53	-0.53	-0.53
10	+	0.8 <sub>C</sub>	-0.30	-0.30	-0.29	-0.30	0.25	-1.02	-1.01	-1.01	-1.01
2	+	1	-0.13	-0.13	-0.12	-0.13	1.0	-0.11	-0.11	-0.11	-0.11
2	+	0.5 <sub>L</sub>	0.53	0.53	0.54	0.53	0.5	-0.08	-0.08	-0.08	-0.08
2	+	0.8 <sub>C</sub>	-0.41	-0.41	-0.42	-0.41	0.25	-1.74	-1.74	-1.73	-1.74
1	+	1	-0.13	-0.14	-0.14	-0.14	1.0	-0.12	-0.12	-0.12	-0.12
1	+	0.5 <sub>L</sub>	0.61	0.61	0.61	0.61	0.5	-0.83	-0.83	-0.83	-0.83
1	+	0.8 <sub>C</sub>	-0.43	-0.44	-0.43	-0.43	-	-	-	-	-
0.5	+	1	-0.12	-0.12	-0.12	-0.12	1.0	-0.04	-0.04	-0.04	-0.04

[  ] Register Test

[  ] No Load Test

**Test Result:** "SATISFACTORY"

**Tested By** : Porntep Srimee

[Mr. Porntep Srimee] Electrical Technician

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