



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

No. MT lab 29/2558

Equipment : THREE-PHASE 4-WIRE MULTIFUNCTION POLYPHASE METER  
Model/Type/Sr.No. : mitsubishi MX2-C02E ID No. 4720050  
Rated : 3x220/380-240/415V 10(100)A 50Hz 5000imp/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 : Mr. Uthai

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

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This Report must NOT be used for ADVERTISEMENT.



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**ENERGY MEASUREMENT RATED VOLTAGE 3P 4W**

Current (A)	Ph.	P.	Active Energy Error (%)					Reactive Energy Error (%)				
			[Meter Constant = 5000imp/kWh]					[Meter Constant = 5000imp/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	ABC	+	1.0	0.00	-0.33	0.33	0.00	1.0	0.05	0.03	0.04	0.04
100	ABC	+	0.5 <sub>L</sub>	-0.28	-0.27	-0.27	-0.27	0.5	0.40	0.39	0.40	0.40
100	ABC	+	0.8 <sub>c</sub>	0.07	0.07	0.07	0.07	0.25	0.74	0.73	0.73	0.73
10	ABC	+	1.0	0.05	0.05	0.42	0.17	1.0	0.05	0.05	0.05	0.05
10	ABC	+	0.5 <sub>L</sub>	-0.02	-0.02	-0.02	-0.02	0.5	0.26	0.26	0.27	0.26
10	ABC	+	0.8 <sub>c</sub>	0.06	0.07	0.06	0.07	0.25	0.53	0.54	0.54	0.54
10	A --	+	1.0	0.03	0.03	0.02	0.03	1.0	0.04	0.04	0.04	0.04
10	- B -	+	1.0	0.05	0.05	0.06	0.05	1.0	0.08	0.08	0.07	0.08
10	-- C	+	1.0	0.05	0.05	0.05	0.05	1.0	0.06	0.06	0.06	0.06
2	ABC	+	1.0	0.05	0.04	0.05	0.04	1.0	0.07	0.06	0.07	0.07
2	ABC	+	0.5 <sub>L</sub>	0.17	0.18	0.18	0.17	0.5	0.01	0.02	0.01	0.01
2	ABC	+	0.8 <sub>c</sub>	-0.02	-0.02	-0.01	-0.01	0.25	-0.05	-0.06	-0.05	-0.06
1	ABC	+	1.0	0.03	0.03	0.03	0.03	1.0	0.06	0.07	0.06	0.06
1	ABC	+	0.5 <sub>L</sub>	0.18	0.18	0.17	0.18	0.5	-0.05	-0.05	-0.03	-0.04
1	ABC	+	0.8 <sub>c</sub>	0.12	0.12	0.12	0.12	-	-	-	-	-
0.5	ABC	+	1	0.07	0.06	0.04	0.06	1.0	0.08	0.05	0.07	0.07

[  ] Register Test

[  ] No Load Test

**Test Result:** "SATISFACTORY"

**Tested By** : *Porntep Srimee*

[Mr. Porntep Srimee] Electrical Technician

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