



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

TEST REPORT

No. MT lab 19 /2557

Equipment : SINGLE-PHASE 2-WIRE ELECTRONIC METER  
Model/Type/MEA .No. : MITSUBISHI SX1 – A31E (RS-485) : ID code. T321-4000050-PH  
Rated : 220-230V. 1P. 2W. TA 5(45)A. 50Hz. 6,000 imp/kWh  
Manufacturer : MITSUBISHI ELECTRIC AUTOMATION (THAILAND) CO., LTD.  
Customer : บริษัท มิตรชุบิชิ อีเล็คทริค ออโตเมชั่น (ประเทศไทย) จำกัด

Portable Meter test System

- ZERA GmbH (Germany) Model: MT 3000 Serial No.50009188

Traceability

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

Test date : December 9, 2014  
Ambient Temp. :  $25 \pm 3$  °C  
Relative Humid. :  $55 \pm 10$  %

Approved By : R. Wuthipong  
(Mr. Wuthipong Rakphuean) Chief of meter testing section



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

**Procedure used :**

- This equipment was tested by comparison with Energy Meter Standard (MT 3000 )

**Condition of test report :**

- This result of testing was found accurate as show on date and place of testing only.

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

Current (A.)	Ph.	P.	Active Energy (Export ) Error (%)					Reactive Energy (Export) Error (%)				
			[Meter Constant = 6,000 Imp/kWh]					[Meter Constant = ...../ kVarh.]				
			PF.	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	Avg.	PF.	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	Avg.
45.00	A --	+	1	-0.22	-0.21	-0.21	-0.21	-	-	-	-	-
45.00	A --	+	0.5 <sub>L</sub>	-0.23	-0.22	-0.22	-0.22	-	-	-	-	-
30.00	A --	+	1	-0.19	-0.20	-0.19	-0.19	-	-	-	-	-
30.00	A --	+	0.5 <sub>L</sub>	-0.21	-0.20	-0.20	-0.20	-	-	-	-	-
5.00	A --	+	1	-0.24	-0.24	-0.24	-0.24	-	-	-	-	-
5.00	A --	+	0.5 <sub>L</sub>	-0.25	-0.25	-0.25	-0.25	-	-	-	-	-
0.50	A --	+	1	-0.35	-0.36	-0.36	-0.36	-	-	-	-	-
0.50	A --	+	0.5 <sub>L</sub>	-0.41	-0.40	-0.43	-0.41	-	-	-	-	-
0.25	A --	+	1	-0.43	-0.44	-0.44	-0.44	-	-	-	-	-

[  ] Register Test

[  ] No Load Test

**Test Result:** "SATISFACTORY"

**Tested By** : C.Chanatta

[Ms. Chanatta Chaipakdee]

Electrical Engineer