



DISTRIBUTION EQUIPMENT DEPARTMENT
METER DIVISION METER TESTING SECTION

TEST REPORT

No. MT lab 13/2557

Equipment : 1 Phase 2 Wire MITSUBISHI ELECTRIC
Model/Type/MEA .No. : MITSUBISHI ; TYPE MF-33E ID Code T021 – 4200001-GY
Rated : 220 V. SINGLE PHASE 2-WIRE 5(15)A. 50Hz. 1,200 rev/kWh
Manufacturer : MITSUBISHI ELECTRIC AUTOMATION (THAI LAND) CO., LTD.
Customer : MITSUBISHI ELECTRIC AUTOMATION (THAI LAND) CO., LTD.

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 : September 8, 2014

Ambient Temp. : 25 ± 3 °C

Relative Humid. : 55 ± 10 %

Approved By : R. Wuthipong

(Mr. Wuthipong Rakphuean) Chief of meter testing section



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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.

LOAD (Amp)	PF.	Ph.	Active Energy Error (%) [Meter Constant 1,200 rev/ kWh.]					Reactive Energy Error (%)				
			P.	1 st	2 nd	3 rd	Avg.	Q.	1 st	2 nd	3 rd	Avg.
15.00	1.0	1	+	-0.14	-0.11	-0.12	-0.123	+	-	-	-	-
15.00	0.5 _L		+	-0.47	-0.48	-0.46	-0.470	+	-	-	-	-
10.00	1.0		+	0.48	0.45	0.43	0.453	+	-	-	-	-
10.00	0.5 _L		+	0.20	0.19	0.21	0.200	+	-	-	-	-
5.00	1.0		+	-0.05	-0.04	-0.06	-0.050	+	-	-	-	-
5.00	0.5 _L		+	-0.06	-0.07	-0.08	-0.070	+	-	-	-	-
2.50	1.0		+	0.04	0.05	0.06	0.050	+	-	-	-	-
2.50	0.5 _L		+	0.04	0.03	0.05	0.040	+	-	-	-	-
1.00	1.0		+	-0.01	-0.03	-0.02	-0.020	+	-	-	-	-
1.00	0.5 _L		+	-0.13	-0.14	-0.15	-0.140	+	-	-	-	-
0.50	1.0		+	-0.35	-0.32	-0.3	-0.323	+	-	-	-	-
0.50	0.5 _L		+	-0.85	-0.84	-0.85	-0.847	+	-	-	-	-
0.25	1.0		+	-1.08	-1.1	-1.09	-1.090	+	-	-	-	-

[] Register Test

[] No Load Test

Test Result: "SATISFACTORY"

Tested By : *K. Kittiya*

[Ms. Kittiya Kongtub] Electrical Engineer