



DISTRIBUTION EQUIPMENT DEPARTMENT
METER DIVISION METER TESTING SECTION

TEST REPORT

No. MT lab 12/2557

Equipment : 1 Phase 2 Wire MITSUBISHI ELECTRIC
Model/Type/MEA .No. : MITSUBISHI ; TYPE MF-33E ID Code T061 – 4200001-GY
Rated : 220 V. SINGLE PHASE 2-WIRE 15(45)A. 50Hz. 400 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 : P. 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 400 rev/ kWh.]					Reactive Energy Error (%)				
			P.	1 st	2 nd	3 rd	Avg.	Q.	1 st	2 nd	3 rd	Avg.
45.00	1.0	1	+	-0.81	-0.84	-0.91	-0.853	+	-	-	-	-
45.00	0.5 _L		+	-0.60	-0.59	-0.63	-0.607	+	-	-	-	-
30.00	1.0		+	0.58	0.52	0.65	0.583	+	-	-	-	-
30.00	0.5 _L		+	0.70	0.65	0.52	0.623	+	-	-	-	-
15.00	1.0		+	0.33	0.32	0.36	0.337	+	-	-	-	-
15.00	0.5 _L		+	0.28	0.34	0.35	0.323	+	-	-	-	-
7.50	1.0		+	0.44	0.41	0.37	0.407	+	-	-	-	-
7.50	0.5 _L		+	0.46	0.54	0.39	0.463	+	-	-	-	-
3.00	1.0		+	0.57	0.65	0.48	0.567	+	-	-	-	-
3.00	0.5 _L		+	0.89	0.82	0.72	0.810	+	-	-	-	-
1.50	1.0		+	0.64	0.49	0.77	0.633	+	-	-	-	-
1.50	0.5 _L		+	0.78	0.79	0.82	0.797	+	-	-	-	-
0.75	1.0		+	0.69	0.76	0.81	0.753	+	-	-	-	-

[] Register Test

[] No Load Test

Test Result: "SATISFACTORY"

Tested By : K. Kittiya

[Ms. Kittiya Kongtub] Electrical Engineer