



DISTRIBUTION EQUIPMENT DEPARTMENT  
METER DIVISION METER TESTING SECTION

TEST REPORT

No. MT lab 14/2557

Equipment : 1 Phase 2 Wire MITSUBISHI ELECTRIC  
Model/Type/MEA .No. : MITSUBISHI : TYPE MF-33E ID Code T101 – 4200001-GY  
Rated : 220 V. SINGLE PHASE 2-WIRE 30(100)A. 50Hz. 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. :  $25 \pm 3$  °C  
Relative Humid. :  $55 \pm 10$  %

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 200 rev/ kWh.]					Reactive Energy Error (%)				
			P.	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	Avg.	Q.	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	Avg.
100.00	1.0	1	+	0.46	0.28	0.44	0.393	+	-	-	-	-
100.00	0.5 <sub>L</sub>		+	1.34	1.20	1.15	1.230	+	-	-	-	-
60.00	1.0		+	0.91	0.88	0.86	0.883	+	-	-	-	-
60.00	0.5 <sub>L</sub>		+	1.29	1.36	1.31	1.320	+	-	-	-	-
30.00	1.0		+	0.44	0.42	0.39	0.417	+	-	-	-	-
30.00	0.5 <sub>L</sub>		+	0.55	0.57	0.56	0.560	+	-	-	-	-
15.00	1.0		+	0.31	0.28	0.29	0.293	+	-	-	-	-
15.00	0.5 <sub>L</sub>		+	0.49	0.52	0.48	0.497	+	-	-	-	-
6.00	1.0		+	0.18	0.26	0.20	0.213	+	-	-	-	-
6.00	0.5 <sub>L</sub>		+	0.51	0.43	0.44	0.460	+	-	-	-	-
3.00	1.0		+	0.46	0.39	0.36	0.403	+	-	-	-	-
3.00	0.5 <sub>L</sub>		+	0.41	0.37	0.38	0.387	+	-	-	-	-
1.50	1.0		+	0.38	0.3	0.33	0.337	+	-	-	-	-

[  ] Register Test

[  ] No Load Test

Test Result: "SATISFACTORY"

Tested By : K. Kittiya

[Ms. Kittiya Kongtub] Electrical Engineer