

Digital Energy Meters

metator *Tango*

Three Phase Energy Meter



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Features

- AMR/AMM support
- Active Energy Class 1, as per IEC62053-11 and -21
- Reactive Energy Class 2, as per IEC62053-23
- Three Phase 4 wire operation
- Line Voltage per Phase
- Line Current per Phase
- Power per Phase
- Scrolling Display
- Maximun Demand Intergration
- Real Time Clock
- Multi-tariff & Seasonal Data
- Event Storage
- Load Profile
- Programmable Billing Cycles
- RS232 Port
- IR Port
- Pulse Output on Terminal Block
- Reverse Current Detection



Mechanical Data

Overall dimension	275mm X 173mm X 80mm
Fascia plate	Hinged transparent cover
Printing on fascia plate	As per customer requirement
Meter cover seal	Three sealable screws Factory sealed
Terminal cover seal	Two sealable screw, Field sealable

Specifications	
Model variant	MT3540xA, MT3540xR
Main Parameters	
Key feature	Two/four quadrant operation
Display	LCD
Class of operation	Active energy CL.1; Reactive energy CL.2
Standards	IEC62053-11, IEC62053-21 & IEC62053-23
Wiring configuration	3 Phase 4 wire
Version A measured parameters	kWh
Version R measured parameters	kWh, kVAh, Vrms, Irms, kW
Rated voltage	3 x 220/380V; 3 x 240/415V
Safe operating voltage	140V-440V
Basic current	10A
Maximum current	100A
Rated frequency	50Hz or 60Hz
Power factor	0.5 Lag to 0.8 Lead
LED indications version A	Calibration active energy
LED indications version R	Calibration active & reactive energy
Starting current	0.4% of basic current
Anti-tamper features	Reverse current detection, Terminal cover
Over current	120% of I _{max} permanently Up to 150% of I _{max} for short time. Accuracy not guaranteed under overload conditions
Over voltage	As per IEC specifications
Meter casing	Polycarbonate/ABS-PC
Insulation	> 4KV
Multi tariff	8 tariff registers
Battery life	5 years/10 years
RTC accuracy	As per IEC standard
Terminal option	Optically isolated pulse output (SO/KYZ)
Data storage	EEPROM/Flash
Communication Interface	Optical, IEC62056-21
Event logging	Tamper log, power on-off and more
Meter reading software	<i>Acroasis</i> available on PC and Pocket PC
Operating temperature	-20° C to +60° C
Optional Parameters	
LED indications	Power, exceeded demand
Profiling	Half hourly kWh
Tariff tables	Up to 13 tariff tables can be defined
Seasonal billing	Up to 12 seasons and 50 holidays and two weekend days
Over voltage protection	Up to 500V AC applied permanently between any two terminals
Calendar type	Selectable option
Demand control	1A relay control available
Reading Meter during absence of power	Available
Remote meter reading	With this added option, the meter can be read from a distance
Communication Interface	Isolated RS232 port

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