THE PREPAID METERING SOLUTION

GAS
WATER
ELECTRICITY
TODAY’S ENERGY CHALLENGE

SUPPLY COST + NEED FOR SUSTAINABILITY + DEMAND FOR EFFICIENCY

www.elmeasure.com
GLOBAL TRENDS WILL DIRECTLY IMPACT YOU & YOUR BUSINESS UNLESS YOU CAN

- improve energy efficiency
- adapt to new environmental regulations
- reduce your environmental footprint

We help industries reduce energy wastage through a wide range of products to suit diverse energy management needs.

ELMEASURE IS A LEADING PROVIDER OF CUSTOM ENERGY MANAGEMENT SOLUTIONS GLOBALLY.

13%* increase in the world’s electricity demand will be from India between 2011 - 2035.

$17 trillion* will be spent on global investment in the power sector between 2013 and 2035.

* Source: World Energy Outlook 2013 Factsheet
ENERGY MANAGEMENT LIFECYCLE

- Expert strategy
- Broad offering of energy efficiency services
- Best return on investment (ROI) plans
- Efficient monitoring and controlling of your energy
- In-depth analysis of your cost saving

SUPPORT AT EVERY STAGE
AWARDS, COMPLIANCES

CERTIFICATIONS

CE | ETL | UL certified | ISI products.

ISO 9001:2015
User Friendly | Cost Effective | Field Programmable

**Smart Watt Hour Meter**

**Existing Metering System** – EB, DG Meter, Gas, Water Meter, Overload, Over voltage

- Over voltage protection?
- Overload EB?
- Harmonics?
- Control over consumption of DG power?

**Elmeasure Solution**

- EB energy
- DG energy
- Water and gas can be integrated
- Over voltage
- Over load for DG & EB Separately
- Harmonics protection

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Static Watt Hour Meter

Unique Features:
- 15 different anti-tampering features
- Communication options: optical port, RS485, RS232, GPRS
- Integrated load profile with 12 parameters
- Remote firmware upgradation

Features:
- Accuracy class 1.0
- Separate registers for power I/E with MRI downloading
- Displays the cumulative active energy even without main power
- Smart meter manager
- Net metering

User Friendly | Cost Effective | Field Programmable

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Unique Features:

- User friendly, compact wall mounting design
- Dual source measurements up to 80A whole current / CT operated
- No separate EB and DG re-charging
- Displays and communicates balance, VLL, VLN, A, F, W, PF, VA, kWh/kVAh (EB and DG), gas and water input pulse.
- Current limiting facility for DG/EB separately
- Protects equipment against overload/over voltage
- Selection of DG power either 3 phase or single phase programmable at site – replaces ACCL and minimize wiring complexity
- Over voltage protection at 285V default (programmable at site)
- Display blinks in the frequent interval to indicate low balance

User Friendly | Cost Effective | Field Programmable

Static Watt Hour Meter

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Types of Prepaid Solution

- Wired Communication
- Transfer through RF Card
- GSM/GPRS Communication
RF CARD BASED

FEATURES & FUNCTIONALITIES

- Secured Encrypted RF Smart card based recharging
  - Elmeasure encryption also added for improving the security
- Inter recharging is not possible, cards cannot be interchanged for charging
  - Can have Multiple card - One with low value charged for emergency?
- Currency based recharging - for EB, DG, Gas and Water
  - No separate EB and DG costing
Wired & Wireless Communication Model

- Prepaid – electricity, gas and water
- RF card
- RS485
- Zigbee
- Wi-Fi
- GPRS
- Combination of RS485 and with GSM/GPRS
- Prepaid / postpaid
PREPAID ENERGY METER

CLOUD COMPUTING

● WiFi, GSM/GPRS
  ○ Can be individual Wifi connectivity or Wifi modem with a cluster of meters wired connectivity
● Information through Smart mobile app - no need of Remote display
● Meter will send acknowledgement with the transaction ID of 8 digit code to server.
● Meter will be supplied with Real Time Clock (RTC)
● Store power outage & power resumption timings with date & time stamp after the power resumes.
● Warning SMS at 20% and 10% of kWh threshold level, step tariff crossover
● User can get balance credit through any of the interface (Mobile/Web-portal) or through Apps.
● Sending SMS to the users during power outage: Battery management
● Profile: The integration of ElNet – LS (Lower scaled) EMS
REMOTE DISPLAY UNIT

- Elegant design
- Displays all the parameters including balance
- Allow the consumer to recharge the currency
- No separate power supply is required
- 50 meter distance from the meter using CAT 5 cable
- Display blinks and buzzer on in the frequent interval to indicate low balance
PREPAID ENERGY METER

ELNET SOFTWARE FEATURES

- Monthly fixed charges based on kVA/kW
- Maintenance charges based on area OR fixed amount
- Advance information about tripping by SMS/Email for the 2 different balance amount
- Holiday cut off prevention
- Night time cutoff prevention
PREPAID ENERGY METER

ELNET SOFTWARE BENEFITS

- SMS / Email will be sent stating negative threshold
- Separate DG threshold for each customer
- DG selection to be single or three phase
- kW/kWh logging every 15 minutes for future clarification, Profiling
- Intimation on ELNet whether it is working on EB or DG to prevent misuse
- Wrong Recharge reversal entry
PREPAID ENERGY METER

ELNET SOFTWARE DISPLAY FEATURES

ELNET DISPLAYS

- EB/DG kWh, kW and Balance amount in a page for all the meters
- Reading Meter Sl.No. & Writing Reconnection time
- Service provider Name, Address and logo
- Recharge Slip
- Recharge history for the selected date range
- Monthly Electricity bill
- Cheque reconciliation
- Remote unit: when we do not press – show balance only
PREPAID ENERGY MONITORING SOFTWARE
PREPAID ENERGY MONITORING SOFTWARE
PREPAID METER - ELSOFT PPS

Intelligent
Com. Settings / Cost input

Flexible
Add / Edit / View customer information

Recharge with
RF Card or RS485

Create
Reports
To Add / Edit / View customer information

PREPAID METER
EL - SOFT PPS
- Comm. Settings
- EB / DG / Water / Gas unit prices and Tax % can be fixed

PREPAID METER
EL - SOFT PPS
PREPAID METER - ELSOFT PPS

REPORTS

www.elmeasure.com
Low credit balance indication & alarm notifications.

Displays all the parameters including balance.

Can be installed over a distance of 50 meters from the meter.

No separate power requirement.

MOBILE APP - ELNET PPS
THANK YOU