




1. Power ON Parameters:

After Power ON, meter will perform LCD Display Check for ~1sec followed by Firmware Version Number & Serial Number. After that, Display goes into Auto scroll Mode.





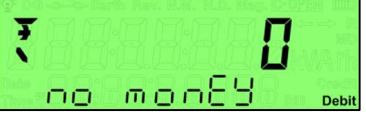
Table: .1 Power ON Parameters.

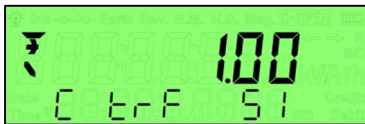



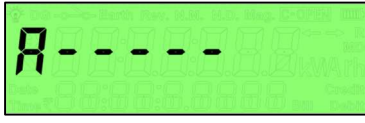

Serial No	Parameter Name	Display	Description
1	Display Check		
2	Firmware No. with Release No.		
3	Serial No		

2. Auto Scroll Parameters:

- Mains mode scrolling period is 10 seconds.
- Battery mode scrolling period is 5 seconds.

Table: .2 Auto Scroll Parameters.

Serial No	Parameter Name	Display	Description
1	Display Check		
2	Credit Balance With Status (Note : Credit Balance is displayed without decimal places and rounded-off to nearest integer)		Sufficient Balance
			Low Balance
			Emergency Credit
			No Credit

3	Current Tariff & Tariff Rate		<i>In case of SLAB</i>
			<i>In case of TOD</i>
4	RTC Date & Time		
5	Cumulative kWh		
6	Anomaly		
7	Cover Open Date & Time*		

**Active tamper legends will not be displayed*




3. Key Sequencing Display Mode (MODE-II):

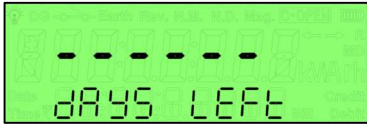







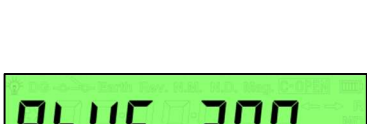


The Prepaid meter will change the display mode into the Key Sequencing Display when the 12-digit keypad is pressed. Every key is mapped into a group of displays. User can scroll the key sequence display parameters by pressing the same key.














- Mains mode timeout period is 30 seconds.
- Battery mode timeout period is 15 seconds.

The Key Sequencing displays are as follows.












Table: 3 Key Sequencing Display Parameters






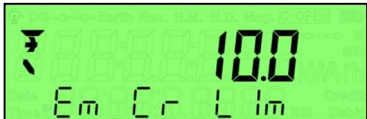





<u>Key No</u>	<u>Parameter Name</u>	<u>Display</u>	<u>Description</u>
1	Days left		
			If Days left > 99
			If Days left < 1







			Days Left equal to 0 or Balance is < 0
2	Previous Day Credit Consumption (Note : Rounded off to nearest integer)		
	Previous Week Credit Consumption (Note : Rounded off to nearest integer)		Last 7 days consumption
	Last 12 months Credit Consumption (B1 – B12) (Note : Rounded off to nearest integer)		
			
3	Current Tariff & Tariff Rate		<i>In case of SLAB</i>
			<i>Indicates following Slab Structure:</i> Slab1- 0 – 100 kWh – Rs.1.00 Slab2- 100 – 200 kWh – Rs.5.00 Slab3- Above 200 kWh – Rs.10.00 <i>Slabs varies from 1-8</i>
			
			
Tariff/Slab Rate <i>Note: Either of the two will be present.</i>			
	Slab wise energy consumption energy consumption <i>Note: Either of the two will be present.</i>		
			

			
4	Latest 5 Credit Token Backups* (Refer Section 3.3.3)		Backup-1 Digits 1 to 8
			Backup-1 Digits 9 to 16
			Backup-1 Digits 17 to 20
			Backup-1 Date & Time
			Backup-5 Digits 1 to 8
			Backup-5 Digits 9 to 16
			Backup-5 Digits 17 to 20
			Backup-5 Date & Time
5	Cumulative Credit Added Till Date		
	Fixed Charge(FC)		
	Meter Serial No		
	Load Limit(LL)		

	Meter Rent	₹ 10.00 mtr rEnt	
	Duty	₹ 15.00 duty	
	FPPPA	₹ 25.00 FPPPA	
	Low Credit Limit	₹ 50 Lo Cr Lim	
	Happy Hours Start	Start 17:30 HAPPY HrS	Happy Hours Enabled
		Start --- HAPPY HrS	Happy Hours Disabled
	Happy Hours End	End 1:30 HAPPY HrS	Happy Hours Enabled
		End --- HAPPY HrS	Happy Hours Disabled
6	Instantaneous Active Power	2.30 kW PoWEr	
	Instantaneous Voltage	230.00 V VoLTAGE	
	Instantaneous Signed Power Factor	PF 1.00	Lagging PF
		PF -0.80	Leading PF
		PF ---	In case of No Load

	Instantaneous Phase Current		
	Instantaneous Neutral Current		
	RTC		
	Instantaneous Frequency		
7	Current Month Maximum Demand(kW) with date & time		
			
	Maximum Demand ((kW) Backups (B1-B12) with date & time		
			
8	Cumulative kWh		
	Last 12 months Cumulative kWh Backups(B1-B12)		
			

	High Resolution kWh(2+4)		
	kWh consumption 12 Months (Current Month+ Last 11 Months)		
			
			
9	Software Version		
0	Emergency Credit Limit(EC)		
	Credit Balance		
	High Resolution kWh(2+4)		
	RTC		
	Refund Code		When refund code is not generated
		Digits 01-08	

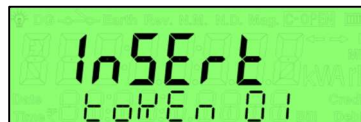
			Digits 09-16
			Digits 17-20
#	Latest Authenticated Billing Code		When AB code is not generated
			Digits 01-08
			Digits 09-16
			Digits 17-20

Note:

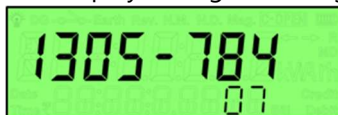
Credit consumption is debit if the amount is deducted from the credit balance else it is credit.

4. Token Entry Process

1. Press the ****** Key, then the Prepaid meter will be in Token Entry mode. The message **"Insert"** will be displayed on LCD; to indicate meter is in token entry mode. Display is as follows.



2. Enter the 20 digit. Consumer can use the Back space function using ****** key if any wrong entry. The Display during Token digit entry is as follows.



7-Digit








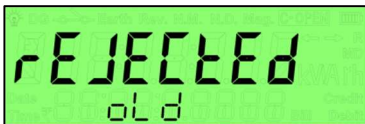



13-Digit



20-Digit

3. After entering the 20 digit, press the '#' key to complete the token entry.
 4. Consumer can see the status message displayed on the prepaid meter after the token entry.
- Token Entry timeout is 20 seconds.
 - Token entry in battery mode is disabled.

Table: 4.1.1 Token Status Messages.

<u>Serial No</u>	<u>Status Name</u>	<u>Display</u>	<u>Description</u>
1	Token Error		Wrong number of digits entered/Token Timeout
2	Token Accepted		
3	Credit Transferred/Added		Indicates Rs.1000 has been added to the existing balance
4	Token Incorrect		
5	Token Duplicate		Previously entered token reused
6	Token Old		Token Expired
7	High Credit		Total amount exceeds the max. permissible credit limit
8	Sequence Error		Tokens entered in wrong sequence
9	Recharge Count Exceeded Error		

- Note: 1. There is a timeout of 20 Secs in Token entry mode (i.e; timeout between 2-digits of a token).
2. Maximum number of digits that can be entered is limited to 20.*

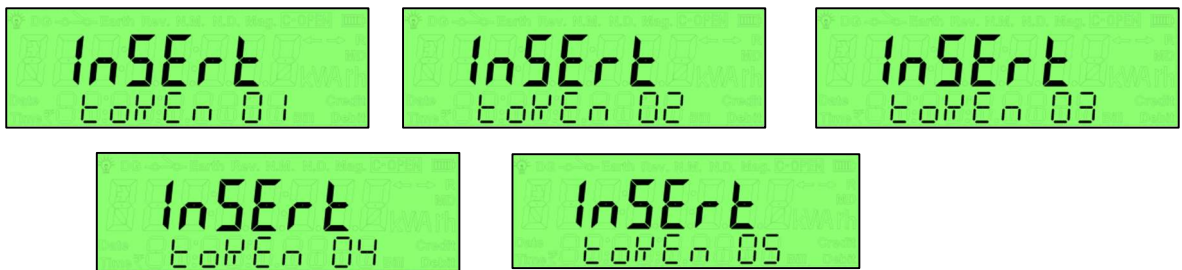
5. Token Sequence Indication

Whenever multiple tokens are generated, they should be entered in sequence. The LCD display will show the expected sequence no. on each token entry.

Ex: Following Tokens are generated

1. 51916 42779 86520 32417
2. 38835 44316 56460 32600
3. 19004 12282 23985 29598
4. 48262 35497 31530 12659
5. 08112 31100 31130 18574

Display will show following indication on each token entry respectively.



6. Low Credit Limit Programming using keypad


To program the Low Credit Limit, the value must be entered as *2XXXX#

Where XXXX is a value between 0 to 9999.

Display for Rs. 1000 will be as follows:



7. Other Messages

<u>Serial No</u>	<u>Status Name</u>	<u>Display</u>	<u>Description</u>
1	Over Load		Displayed continuously during Overload condition.