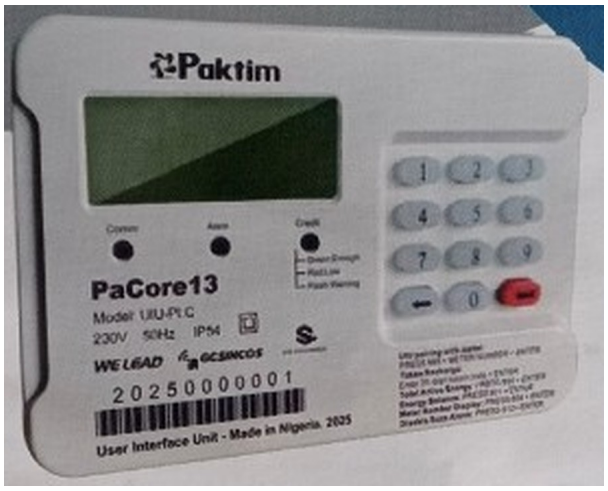
Guide A: Paktim PaCore13 UIU

Model UIU-PLC, 230V, 50Hz. Made in Nigeria. Talks to the meter through your home's power wiring (Power Line Carrier).

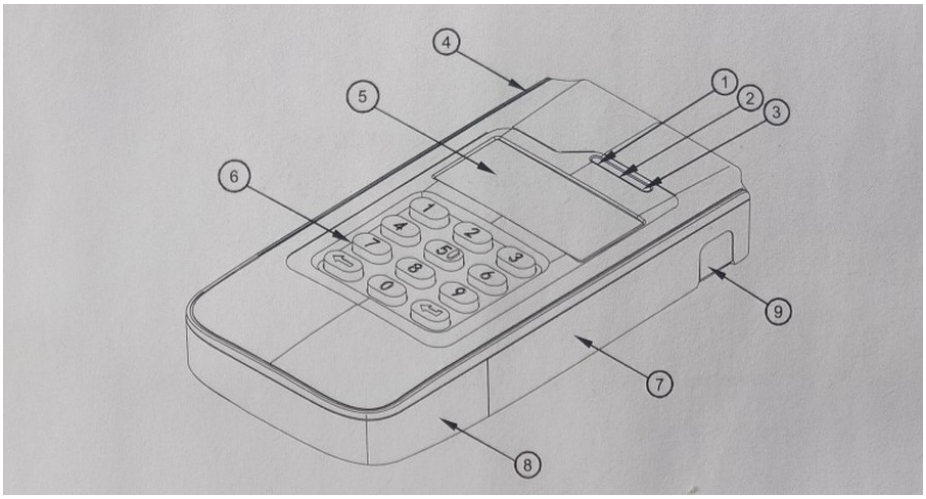
A1. Know Your UIU



The Paktim PaCore13 UIU

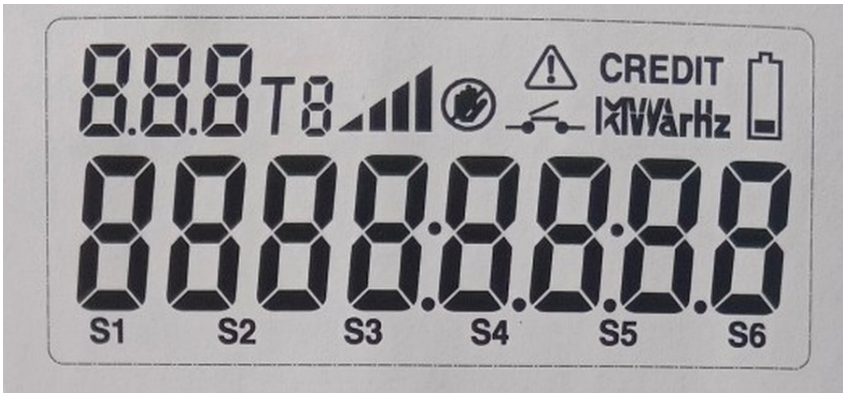
The UIU has an LCD screen, three indicator lights (Communication, Alarm and Balance) and a keypad with the digits 0 to 9, a back/delete key and a red Enter key. The parts are:

1. Communication light: shows the UIU is talking to the meter.
2. Alarm light: shows a warning.
3. Balance light: shows your credit level.
4. Top cover.
5. LCD screen: shows numbers and messages.
6. Keypad.
7. Base.
8. Battery base.
9. Power cable socket.



Parts of the UIU: 1 Communication light, 2 Alarm light, 3 Balance light, 4 Top cover, 5 LCD, 6 Keyboard, 7 Base, 8 Battery base, 9 Power cable socket

A2. Description: Screen Symbols and Lights



The full LCD screen with every symbol lit

Symbol	What it tells you
Battery	Showing: the UIU battery is low. Gone: the battery is fine.
Relay (switch icon)	Shows whether the supply switch in your meter is on or off.
Alarm (triangle with !)	Showing: the meter has an internal fault. Gone: no fault.
Tamper (hand icon)	Showing: interference with the meter has been detected. Gone: none detected.
S1	The meter cover has been opened.
S2	The terminal cover has been opened.
CREDIT	Prepaid (credit) mode is active.
Small digits (888)	Shows the short code you typed.
Large digits	Shows the actual figure: voltage, current, energy or credit.
kWh, V, A, W, Hz	The unit that goes with the number on screen.
L1, L2, L3	Shows which supply lines have voltage.

Symbol	What it tells you
T8 and signal bars	Reserved. You can ignore them.

Credit light

- Green on: you have enough credit.
- Red on: credit is below the first alarm level. Plan to recharge.
- Red flashing slowly: credit is lower, below the second alarm level.
- Red flashing fast: credit is very low, below the third alarm level. Recharge now.
- Red always on at zero credit: your credit is finished.

Warning light

Flashes when the meter detects an alarm event. If it flashes together with the Alarm or Tamper symbol, contact your electricity provider.

A3. Short Codes

Type the code, then press Enter. The answer appears on the screen.

Everyday codes for customers

Code	What it shows
801	Remaining credit (your balance)
800	Total energy used since the meter started
813	Energy used yesterday
814	Energy used this month so far
840	Energy used last month
829	Amount of your last recharge
815	Date and time of your last recharge
830	Your last recharge token
804	Your meter number
808	Power you are using right now
802 / 803	Meter date / meter time
807	Prepaid or postpaid mode
810	Emergency credit value available
811	Activate emergency credit (borrow credit when stuck)
812	Switch off the buzzer alarm
841	Overload limit of your meter

Codes mainly for the electricity provider

805 (SGC number), 806 (reason the relay switched off), 809 (tariff index), 817 (meter number on UIU), 820 and 821 (open or close the meter relay), 860 (activate buzzer), 865 (activate operating or tamper mode) and 873 (key revision number). Customers do not need these.

A4. Token Recharge Process Flow

Pairing your UIU with your meter (first-time setup)

1. Install the UIU, connect the power cable and switch on.
2. On the keypad, press 999, then your meter number, then the Enter key.
3. When SUCCESS shows on the screen, pairing is complete.

The UIU only works with the meter number it is paired to. If your meter is changed, pair again.

Step by step

1. Buy your 20-digit token from your vendor or payment platform.
2. Type all 20 digits carefully on the UIU keypad.
3. Press the red Enter key.
4. The screen shows Conn - - while the UIU sends the token to the meter.
5. ACCEPT means the recharge worked. Press 801 then Enter to confirm your new balance.

If the screen shows an error

Screen shows	Meaning	What to do
Err 01	Bad token	You probably mistyped. Enter it again carefully.
Err 03	Token is old	An older token was entered after a newer one. Use your latest token.
Err 04	Token already used	This token was entered before. Check 829 and 830 to see your last recharge.
Err 05	Token expired	Contact your vendor for a new token.
Err 06	Token error	Check the digits and try again, or contact your vendor.
Err 07	Recharge exceeds the limit	The amount is too high for the meter. Contact your provider.

Tracking your own consumption

- Daily: press 813 to see yesterday's usage.
- Weekly: press 814 to see this month's usage so far.
- Monthly: compare 814 with 840 (last month).
- Often: press 801 to know how much credit you have left.

> *Tip: write down your 800 reading (total energy) at the same time each day. The difference between two readings is the energy you used in between.*

> *Metering Corner is an educational guide. For faults, disputes or tampering concerns, always contact your electricity provider. Visit jiderich.com for more.*