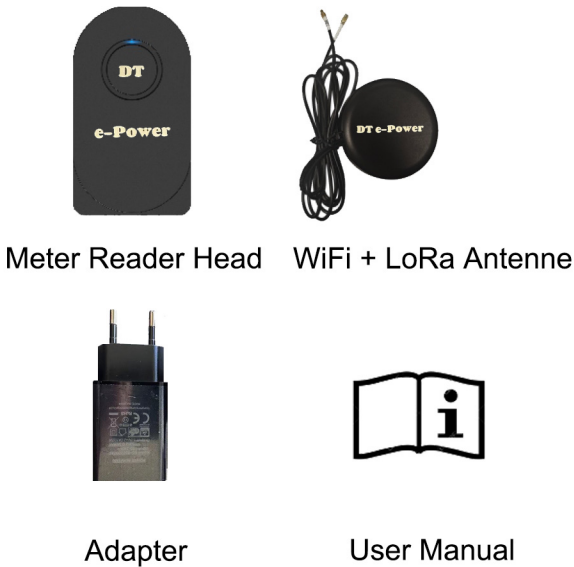# DT e-Power i-Tracker

1. Product Overview

The DT e-Power i-Tracker is a smart electricity metering device mainly used for real-time monitoring of electricity usage in households or businesses. It can be integrated with energy storage systems for energy management. Developed by our company, it connects to an app to help users optimize power consumption and reduce electricity costs.

2. Product Features

Real-time electricity monitoring: provides real-time electricity usage data for energy distribution management.
Cost analysis: helps users understand electricity costs and offers energy-saving suggestions.
Remote control: view electricity usage data remotely via the app.
High compatibility: supports various types of electric meters.
Environmentally friendly and energy-saving: encourages users to reduce electricity use during peak pricing periods and integrate with renewable energy devices to build a green energy ecosystem.

3. Product Components

Meter Reader Head   WiFi + LoRa Antenne

Adapter   User Manual

4. Installation Steps

Preparation: Ensure the electric meter supports the DT e-Power i-Tracker (compatible with most smart meters).
Scan the QR code to download and install the app (supports iOS and Android).
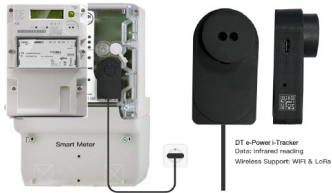

for iOS   for Android

Install the device: Connect the infrared meter reader to the communication port of the meter.
Configure the device: Open the app, add the device, and connect to WiFi.

5. Technical Specifications

Category	Item	Value
General Parameters		
General Parameters	Appearance (L/W/H)	(50*34*45mm)
	Weight	75g
	Typical Power Consumption	2.5W
	Operating Temperature	-20℃ ～ +65℃
	Storage Temperature	-30℃ ～ +85℃
	Installation Method	Magnetic
	Operating Voltage/Current	DC 5V-500mA
	Warranty	2
Interfaces	Infrared Interface	1
Display	LED	1
Device Management	Number of Managed Devices	1
	Communication Method	Infrared
	Internet Connection	WiFi
	Energy Internet Connectivity	Supported
WiFi	Frequency Band	2400~2483.5MHz
	Wireless Standard	802.11b/g/n
	Speed	Up to 150 Mbp
	BLE Version	BLE4.2 and above,2.4G MHz
	Communication Distance	50M & 10M
Lora	Frequency Band	433~915MHz
	Kommunikationsreichweite	200M
Certifications	RoHS、CE	

6. Installation Types

6.1 Infrared reading method

6.2P1 reading method

7. Safety Instructions

Do not use the device in very hot (>85°C) or humid environments.
Avoid dropping or impacts; keep away from children.
Check for physical damage before installation.

8. Disposal

8.1 Electronic Waste Handling:

Device marked with symbol: do not dispose as regular waste.

8.2 Packaging Waste:

Recyclable materials, dispose at local recycling facility.