

MeterLynk

Customer Interface Unit

The **MeterLynk** is a handheld **customer interface unit** (CIU) designed for end users to interact with energy and water meters using the **DLMS/COSEM** protocol and operate in compliance with **STS/CTS standards**. It enables monitoring of energy and water consumption and supports prepayment activities. With a slim, lightweight, and durable design, it offers mobility and resilience in various environments, displaying DLMS energy parameters and alarm statuses via keypad input.



CONSUMER DEVICE



DLMS[®]



STS COMPLIANT



MULTIPLE ALARMS



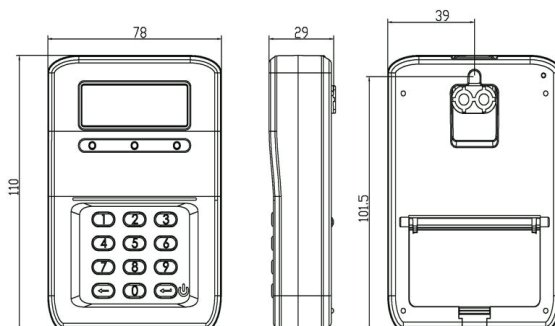
REMOTE UPGRADE



Technical Specification:

Rated voltage	Micro USB supply or Two sections of 7 battery supply
Operating voltage range	DC 5 V $\pm$ 0.5V(USB) or DC 3V (battery)
Temperature	Normal Operation range: -25°C to +55°C Limit operation range: -35°C to +65°C Limit range for storage and transport: -40°C to +70°C
Power Consumption	Voltage circuit (active): $\leq$ 2 W Voltage circuit (apparent): $\leq$ 5VA
Electromagnetic Compatibility	Electrostatic Discharges: Contact 8kV, air 15kV Fast transient burst: USB power cord coupling group of pulses: 1kV
Protection class	IP51
Lifetime	$\geq$ 10 years
Short Code Function	• Query data and display • Relay test, active overdraft and so on
Status Indication	• LED, buzzer indication • Buzzer alarm can be interrupted by keypad
LCD Display	• Large digit LCD display, easy for reading • Display readable without main power • LCD backlights to increase readability in low light conditions • Flexible display mode
Token Input	• Support enter 20 digits token by keypad
Communication	• Communicate with MCU via RF or PLC module • Communication distance more than 150 meters

Diagram



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