MICROSTAR

H1000

Customer Interface Unit (CIU)

Prepayment Meter Display

FEATURES

- Displays prepayment account and meter usage information
- Enables end-user to recharge meter or interact with meter locally
- LED and buzzer warnings for overload, low credit, or disconnect
- Option of RS485, RF, or PLC connection to meter for best flexibility
- Supports recharging via STS 20 digit token input on keyboard
- Supports recharging via contactless smart card
- DLMS or IEC 62056-21 communication protocol to the meter
- Clear polycarbonate case with superior strength and insulation
- Heavy duty keyboard with no gap to prevent dust into unit over time
- High quality 2 line 8-digit LCD display with 15+ year service time
- Barcode on display unit to allow easy inventory management
- Supports querying of meter and account data for diagnostics

APPLICATION

- Residential, commercial or industrial prepayment meters
- Convenient recharge via keyboard or smart card

BENEFITS

- User-friendly information display at user's home or office
- LED and/or buzzer warning to avoid unexpected disconnection
- Allows smooth transition from credit to prepayment meters
- High quality display and keyboard with long service time
- Can be independently changed without needing to replace meter

TECHNICAL SPECIFICATIONS

External Dimension	155mm x 95mm x 35mm (w/o wall mount)
Weight	0.5kg
Operation Voltage	5V DC for RS485/RF, 50-265V AC for PLC
Power Consumption	≤ 400mA
Operation Temperature	-25 °C ~ +70 °C
Humidity Range	0 - 95%
Connection Ports	RJ-45 Port for RS485 / PLC
Recharge Media	20-digit STS token entry; Contactless smart card
Card Reading Distance	30 ~ 100 mm
Communication Protocol	DLMS/COSEM, IEC 62056-21
Communication Channel	RS485 / RF (433MHz) / PLC

CIU with wall mount and smart card holder