

Single Phase Split Meter



\*UIU included.



**FEATURES & BENEFITS**

- 30 Minute Load Profiling of kW and kVA
- Compact Meter Design with DIN Rail mounting to allow for high density stacking
- User interface Device provides valuable information to assist consumers in managing their energy consumption effectively
- Plug-in communication connector for easy utility access and maintenance
- Prepay model and post-pay mode switch
- Support currency and kWh prepayment
- Optical communication for meter data reading and parameter setting
- Supports relay force open
- Supports Time of Use (TOU) for metering energy data in different tariffs, max tariff number is 8+1 (8 tariff s mode + no tariff mode), max 14 day intervals

- Support the switch between two tariff schemes
- Support the switch of TOU measurement & ladder metering, max 9 gradients
- Programmable Power Limit • Significant reverse energy (SRE) detection
- Commissioning/Decommissioning feature • High Surge Protection for areas prone to lightning or line surges
- SABS 1524 and IEC 62052-11, IEC 62053-21 compliant

**TECHNICAL SPECIFICATIONS**

- Single phase, 2 wire, direct connected prepayment meter
- Credit store with decrement-on-usage
- Credit entry mechanism: keypad to input encrypted numbers (Prepayment mode)
- STS Compliant
- Single pole 90A latching contactor

**Electrical Rating**

- Normal voltage: 230 Volts (-20% ~ +20%)
- Other voltages available on request

**Burden**

- Voltage circuit: <1.8W/10VA@230V
- Current circuit: <2.5VA@1b
- Frequency: 50Hz (60Hz version available)
- Current range: 10(80)A
- Protective class (according to IEC 62052-11) Class II (double insulated)

**Measured Energy Value**

- Import and export kWh
- Vrms, Irms, frequency and power factor

**Environment**

- Operating temperature: -25°C to +70°C
- Storage range: -40°C to +85°C
- Relative humidity: <\_95% non-condensing
- Ingress protection: IP54 (without suction)

**Communication**

- Optical port according to IEC 62056-21
- PLC or MBUS communication with User Interface Unit
- Standard interrogation port: 8 pin interface according to ESKOM DISSCAA9
- RS485 port, AMR available.

**Event Record**

- Events record with date and time
- Multi-Event records
- Purchasing credit of the last 50 times
- Demand, overload, unbalance current, magnet tamper and reverse energy
- Power outage

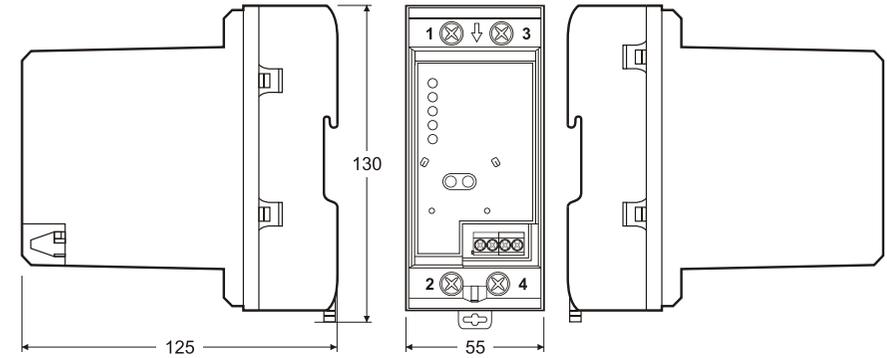
**Programming Software**

- Programing reading software compatible with Microsoft Windows (2000 and later)

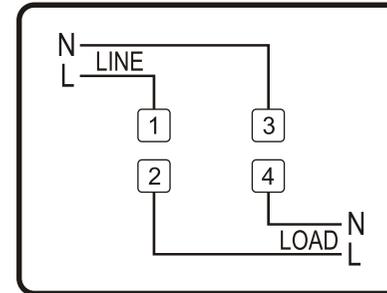
**Battery**

- Li-SOC12 battery, 1000mAh, 3.6V with life of 10+ years and 5 years continuous duty at 25°C.

**SCHEMATIC**



**CONNECTION DIAGRAM**



5	6	7	8
RS485		NC	