



A multi-functional Green Control 3 device is a three-phase DIN energy meter equipped with a multi-tariff function. The results are displayed on an LCD screen. The meter is also equipped with a non-volatile memory which guarantees that the readings will not be deleted or altered upon disconnecting.

Green Control 3 - is a three-phase DIN energy meter equipped with a multi-tariff function.

Meter specification:

- Type of meter: Green Control 3 (LCD screen),
- Nominal voltage (Un): 230/400V AC (3~); 110/190V AC (3~),
- Operational voltage: 161/279 – 300/520V AC (3~); 77/133 – 143/247V AC.

Insulation capabilities:

- AC voltage withstand: 4KV per minute,
- Impulse voltage withstand: 6KV – 1.2 μ S (waveform).

Basic current (Ib):

- CT type: 1.5A,
- Direct connection: 100A.

Maximum rated current (I_{max}):

- CT type: 6A,
- Direct connection: 100A.

Operational current range: 0.4% Ib – I_{max}
Overcurrent withstand: 20I_{max} per 0.01s
Operational frequency range: 50Hz \pm 10%
Internal power consumption: \leq 2W / 10VA per phase

Test output flash rate:

- CT type: 3200 imp/kWh,
- Direct connection: 400 imp/kWh.

Test output impulse rate:

- CT type: 3200 imp/kWh,
- Direct connection: 400 imp/kWh.

Consumption indicator (PULE & SO LED): flashing at load running.

Communication indicator: Flashing at communication running.

Protection against penetration of dust and water: IP51
Insulating encased meter of protective class: II

Performance criteria:

- Operating humidity: \leq 85%,
- Storage humidity: \leq 95%,
- Operating temperature: -20°C to +50°C,
- Storage temperature: -30°C to +70°C,
- International standard: IEC 62053-21 IEC61010.

Accuracy class:

- Voltage, LN and LN (Phase 1,2,3): \pm 0.5%,
- Current (Phase 1,2,3): \pm 0.5%,
- Power factor (Phase 1,2,3): \pm 0.5%,
- Active power (Phase 1,2,3, Σ): \pm 0.5%,
- Reactive power (Phase 1,2,3, Σ): \pm 1%,
- Apparent power (Phase 1,2,3, Σ): \pm 1%,
- Frequency: \pm 0.5%,
- Active energy: \pm 1%,
- Reactive energy: \pm 1%.

Tariff specifications:

- Number of tariffs: 4,
- Time segments: 10,
- Clock accuracy: \leq 0.5s (every 24 hours).

Communication type:

- Green Control 3 – autonomous meter,
- Green Control 3/A – meter equipped with a GSM communication module,
- Green Control 3/B – meter with a radio communication module of 430 MHz (150 meters indoor range).