

## Rudolf Myra 300 Microprocessor base kWh Meter - Specification

- Myra 300 is a complete micro-processor based poly-phase electronic kWh meter with conform, manufacture and tested to class 1 accuracy of IEC 1036;
- Myra 300 is with a built in 16 digit Liquid Crystal Display with high resolution to provide the latest state of the art outlook;
- Myra 300 provide complete flexibility in design providing a solution in single phase, 3phase 3 wire or 3phase 4 wires system configuration operating in both 50 & 60Hz environment;
- Myra 300 offer wide range of input accepting current input from 1A to 6000A and voltage input up to 500VAC;
- Myra 300 operated on an auxiliary supply of 230VAC
- Myra 300 having rated current  $I_n$ , 5A with a range of 10-120% of  $I_n$ . The burden to be less than 0.2VA per phase. The overload condition to be 4 x  $I_n$  on a continuous basis and 50 x  $I_n$  for 1 second;
- Myra 300 having a rated input voltage  $U_n$ , of 0-500VAC with a range of 80-120% of  $U_n$ . The burden to be less than 0.2VA per phase. The overload condition to be 1.5 x  $U_n$  on a continuous basis and 4 x  $U_n$  for 1 second;
- Myra 300 is housed in a 96x96x98 mm din case being for panel mounting via 4 corner bracket and thumb tensioning screws;
- Its enclosure conform to IP50 for case and IP30 for termination to complies to IEC 529/BS5490/DIN40050;
- Myra 300 is operational in a ambient temperature of 0-50 deg C with 95% non-condensing humidity;
- My300 provide ease of communication via mercury wetted volt free relay with pulse rated of 1 kWh per pulse for CT ratio up to 500/5A and 10kWh per pulse for CT ratio from 600/5A to 6000;
- Myra 300 provides pulse width, being 1.5sec whereby the pulse width signifies that the relay contact will be held closed and the LEC will be "on" for the selected length of time;
- The meter display is a 16 digit high contrast, high resolution, tamper proof, non-resettable LCD display and with the ability to retains the last recorded value given under power failure conditions;
- Myra 300 is manufactured and comply to
  - test voltage : 4kV rms 50Hz for 1min;
  - impulse test : EMC 5kV transient comply with IEC801/EN55020;
  - HF interference test : EHF 2.5kV 1MHz comply with IEC255-4

Type 4 specification information generated by Helen Too 16-9-2004