

EVA – Digital Meter - Specification

- EVA is with a built in 16 digit Liquid Crystal Display with high contrast, high resolution, tamper proof, non-resetable LCD display;
- EVA uses low power MSP430 series MCU with high memory designed to provide multi-measurement electrical parameter. It uses DSP's complex FFT algorithms to compute the electrical parameters to help filter the external noises and be able to provide accurate values.
- EVA has inbuilt flash memory which is used to retain the critical parameters;
- EVA provide user with non-abbreviated indication of electrical parameter hence an ease to user when interpreting the parameter;
- EVA provide complete flexibility in design providing a solution to different network, a choice of single phase, 3phase 3 wire or 3phase 4 wires system configuration operating in both 50 & 60Hz environment;
- EVA allows programmable for current input from 1A to 6000A;
- EVA operated on an auxiliary supply of 230VAC
- EVA 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;
- EVA 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;
- EVA is housed in a 96x96x98 mm din case being for panel mounting via 2 corner bracket and thumb tensioning screws;
- EVA is enclose with its enclosure conform to IP50 for case and IP30 for termination to complies to IEC 529/BS5490/DIN40050;
- EVA is operational in a ambient temperature of 0-50 deg C with 95% non-condensing humidity;
- EVA_E 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;
- EVA-E 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;
- EVA-E is with the ability to retains the last recorded value given under power failure conditions;

BRIDEX



EVA – Digital Meter – Specification

- EVA 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 22-2-2006