

## Specifications for Circuit Breaker Analyzer System

### General

Circuit Breaker Analyzer System will be used at electrical power equipment, different type of Switches , and max Voltage 420 kV for the needs of ADMIE .

### Technical Specifications

#### Basic unit

*Mains input (nominal)* 100 – 240 V AC, 50/60 Hz  
*Power consumption* ~ 250 VA (max)

#### HDD module

#### External input

*Input range* 0 – 250 V AC/DC

#### External outputs

*Pulse duration* 1 – 999 ms, user configurable in steps of 1 ms

*Open circuit voltage* 12 V DC  $\pm 5\%$

*Voltage at 0.5 A* 9 V DC  $\pm 10\%$

*Max. short circuit current* 1.5 A

*Max. switching current* 0.5 A at 12 V and resistive load

*Voltage drop at 0.5 A* 4.5 V DC  $\pm 10\%$

#### Communication interfaces

*USB* Universal Serial Bus ver. 1.1

*Ethernet* 100 base-Tx Fast Ethernet

*External screen* SVGA, up to 800 x 600 at 24 bit color, 32 MB SDRAM

#### A.Control module

*No. of channels* 3

*Time base inaccuracy*  $\pm 0.01\%$  of reading  $\pm 1$  sample interval

*Max. sample rate* 10 kHz

#### B.Timing M/R module

*No. of channels* 6

*Time base inaccuracy*  $\pm 0.01\%$  of reading  $\pm 1$  sample interval

*Min. resolution* 0.05 ms

*Max. sample rate* 40kHz

### **C.Digital module**

*No. of channels* 6

*Time base inaccuracy*  $\pm 0.01\%$  of reading  $\pm 1$  sample interval

*Max. sample rate* 20 kHz

#### **Output**

*Voltage* 5 V DC  $\pm 5\%$  or 12 V DC  $\pm 5\%$

*Max. output current* 200 mA

### **D.Analog module**

*No. of channels* 3

*Time base inaccuracy*  $\pm 0.01\%$  of reading  $\pm 1$  sample interval

*Max. sample rate* 40 kHz

### **E.Printer module**

*The device will have the CE designation.*

*The device will be supplied ready for use and will be accompanied by calibration and test certificates*

*The device will be accompanied by an operation manual and a maintenance manual (if needed) in English and Greek language, in electronic or hard copy form.*

*Warranty period for at least 2 years*