

INSTRUMENT TRANSFORMER TEST SET



AMBER iXR-2000^{HT}
Description

Features

- Complete Microprocessor Control
- Automatic Null adjustment
- CT/PT Test
- Manual & Automatic ranging
- RS-232 & Parallel port Printer interface
- Parameter entry through keyboard
- Class of Accuracy : IEC, IS, ANSI, AS, BS, IEC-S, IS-S, AS-S, IEC-P, IS-P, AS-P, BS-P, IEC-PR, IS-PR, AS-PR, AS-L, AS-M, AS-ME
- Burden, PF & Impedance Measurement
- Automatic Save & Print
- Alarm Indicator, Data Holding Facility
- Automatic updating of Date & Time
- USB (Pen drive) interface

Specification

Current	: 5A & 1A Nominal
Normal operation	: 0.5A-10A & 0.1A-2A
Extended Operation	: 0.05A-10A & 0.01A-2A
	: 0.05A-20A & 0.01A-4A*
Consumption	: 0.5VA @ 5A & 0.1VA @ 1A
Voltage	: 120V Nominal
Normal operation	: 30V - 200V
Extended Operation	: 1.2V - 240V
	: 1.2V - 480V*
Consumption	: 0.1VA @ 120V
Burden & PF	: ± 1% Accuracy
Current	: 0VA - 80VA & 0 - ±1.0 PF
Voltage	: 0VA - 400VA & 0 - ±1.0 PF
Impedance	: CT - 0Ω - 80Ω
	: PT - 10Ω - 12KΩ
Frequency	: 48Hz to 62Hz
Measuring time	: Instant Reading
Power	: 90V to 270V, 50/60Hz, 40VA
Temperature	: Upto 45°C
Humidity	: 0 to 95 RH
Dimensions	: 19" x 15"x6" / 19" Rack mounting
Weight	: 12Kgs (approx)
Accuracy	: Ratio Error in % and Phase Error in CR/Min

	Range	Normal Operation	Extended Operation
20% (± 19.99 % & ± 19.99CR or ± 680 minutes)		± 0.5% RDG ± 0.04	± 1% RDG ± 0.10
2% (± 1.999 % & ± 1.999CR or ± 68.0 minutes)		± 0.5% RDG ± 0.004	± 1% RDG ± 0.010
0.2 % (± 1999ppm & ± 1999μR or ± 6.80 minutes)		± 0.5% RDG ± 10	± 1% RDG ± 20

Note: * As per Customer Request.

Specifications may change without notice due to continuous development.

Description

AMBER's Instrument Transformer Test Set is a complete micro-processor controlled comparator, compares two instrument transformers (CT/PT) of nominally same ratios. So, a small variation in the excitation voltages, currents and frequencies does not affect the measurement. The CT Test set can test both 1A & 5A test CTs with 1A or 5A standard CT. This Instrument have an in-built RS-232 & Parallel Port Printer interface that enables the user to dump the measured values to a PC/Printer and its having an In-built storage facility of 1250 readings, additionally an interface of USB is used to transmit/store/retrieve the measured values to/from the pen drive.

Display & Indicator

- 320 x240 dot Back-Lit Graphical LCD display.
- Alarm indication for Error messages.

Printing

- Customer Name
- Date
- Time
- Serial number
- Ratio
- Entered Burden in VA
- Type of Standard
- Input voltage/Current in V/A
- Ratio error in %
- Phase angle error in Min/CR
- Class of Accuracy
- Measured Burden
- Power Factor
- Impedance

Keyboard Controls

25 Key pad membrane
Contains the following keys:

- Print(F1)
- Graph(F2)
- Save(F3)
- Recall(F4)
- Hold(F5)
- USB Write(F6)
- USB Read(F7)
- Shift
- Delete
- Symbols

Note:

Can be supplied the following Models:
Current Transformer Test Set(AMBER cXR-2000^{HT})
Potential Transformer Test Set(AMBER pXR-2000^{HT})